Reference Series
5760a
5761a
6 CHANNEL POWER AMPLIFIER

SERVICE MANUAL

Infinity Systems, Inc.
250 Crossways Park Dr.
Woodbury, New York 11797

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Reference 5760a/5761a Specifications

Output Power:	56W RMS x 4 and107W RMS x 2 channels @ 4 ohms; ≤1% THD + N
	80W RMS x 4 and150W RMS x 2 channels @ 2 ohms; ≤1% THD + N
	148W RMS x 2 and 287W RMS x 1 channels @ 4 ohms; ≤1% THD + N
Signal-to-noise ratio:	82dBA (reference 1W into 4 ohms)
Dynamic power:	117W channels 1,2,3,4; 163W channels 5,6 @ 2 ohms
Effective damping factor:	6.373 @ 4 ohms
Frequency response:	10Hz – 57kHz channels 1,2,3,4; 10Hz – 302Hz channels 5,6
Maximum input signal:	6.3V
Maximum sensitivity:	Reference 5760a - 230mV
	Reference 5761a - 75mV
DC Offset	<50mV (-50%)
Output regulation:	.063dB @ 4 ohms
Idle Current	2.1A
Input Impedance	22kΩ
Max Current Draw	34A @ 4 ohms
	88A @ 2 ohms
	89.5 @ 4 ohm bridged
Dimensions:	12 x 18 1/2 x 2 11/16” (L x W x D)
	(305mm x 470mm x 68mm)
Fuse:	2 x 30A

Infinity continually strives to update and improve existing products, as well as create new ones. The specifications and details in this and related JBL publications are therefore subject to change without notice.

Features

- 4-Channel Operation
- Advanced MOSFET Oversized Floating Rail Power Supply
- Floating Ground Factory - Head - Unit Speaker - Level input
- Variable Input Sensitivity (250mV - 6V)
- Fully Complementary Output Stage with Class-A6 Voltage Amplification
- Gold-plated Power, Input and Output Connectors
- 2-Ohm Stable (Stereo)

Test Conditions and Notes

- All tests to be done, unless otherwise specified, from 10Hz to 47KHz and 302Hz at 14.4V DC into 4 ohm loads and adjust the units gain so that with a .775 volt input signal the unit is at Its maximum rated output. All measurements will be done using an Audio precision system one and the supply voltage.

- An A+ line voltage of 14.4V DC shall be applied to the unit under test for all measurements unless otherwise specified. The voltage applied to the unit shall be measured at the power connection on the Amplifier.

- Signal Source
  Unless otherwise specified, all tests shall be conducted with the Audio Signal Generator output configured to be balanced, less than or equal to 50 ohm source impedance, and floating. The signal source "GND" shall be connected to the Amplifier PWR GND at the Amplifier.

- Output Load
  Unless otherwise specified, all tests shall be conducted with 4 ohm resistive loads having less than 10% reactive components at any frequency below 47KHz and 302Hz. Each resistor shall have a value that remains within 1 % while dissipating the rated output of the unit under test.

- Power Indicator Green LED steadily illuminates for normal operation. Illuminates up Red LED blinks when protection circuitry is engaged, and during power up.

Power Connections

The Reference amplifiers are capable of delivering high power levels, and require a reliable connection to the vehicle's electrical system in order to perform optimally. See Figure 1 for connection location. Please adhere to the following instructions carefully.

GROUND CONNECTION

Connect the amplifier's Ground (GND) terminal to a solid point on the vehicle's metal chassis, as close to the amplifier as possible. Refer to the chart below to determine minimum wire-gauge size. Sand away any paint from this location; use a star-type-lock washer to secure the connection.

POWER CONNECTION

Connect a wire (see chart at right for appropriate gauge) directly to the vehicle's positive battery terminal, and install an appropriate fuse holder within 18" of the battery terminal. Do not install the fuse at this time. Route the wire to the amplifier's location, and connect it to the amplifier's positive (+12V) terminal. Be sure to use appropriate grommets whenever routing wires through the firewall or other sheet metal. Failure to adequately protect the positive wire from potential damage may result in a vehicle fire. When you are done routing and connecting this wire to the battery and to the amplifier, you may install the fuse at the battery. The fuse value should be selected based on total amplifier-current draw; see chart at right.

REMOTE CONNECTION

Connect the amplifier's Remote (REMOTE) terminal to the source unit's Remote Turn-On lead using a minimum of 18-gauge wire. If your source unit does not have a remote turn-on connection, connect the amplifier's (REMOTE) terminal to the vehicle's accessory circuit.

WIRE-GAUGE CHART

Amplifier Model	Maximum Current Draw	Minimum Wire Gauge
5760a/5761a	87A	#8 AWG

These recommendations assume 7' – 10' wire runs. If your installation differs markedly, you will need to adjust the wire gauge accordingly.

SPEAKER CONNECTIONS

Refer to the application guides on the pages that follow. Speaker connections should be made using a minimum of 16-gauge wire.

HIGH-LEVEL INPUT CONNECTIONS

The 5760a/5761a amplifiers are equipped with speaker-level inputs that allow you to add an amplifier to head units that do not have RCA line outputs. The speaker outputs for the source unit should be connected to the amplifier using the supplied connector (square four-wire plug). Remember to check for proper polarity.

NOTE: When using the low-level or high-level inputs, the AUX outputs can be used to pass a full-range line-level signal to another amplifier.

Figure 2. Speaker-level connector.

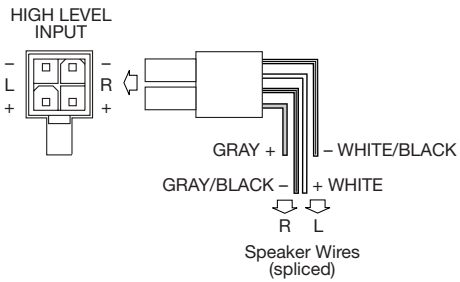
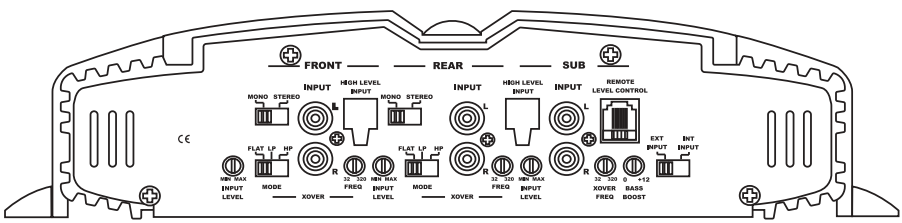


Figure 1. Terminal-connection end plate.



APPLICATIONS – 5760a/5761a

The amplifier can be configured for 6-channel, 5-channel or 3-channel operation, as shown in Figures 10 through 12.

INPUT MODE SWITCH:

- Use INT (internal mode) to send a signal from the front and rear inputs to the subwoofer.
- Use EXT (external mode) when sending a dedicated signal to the subwoofer inputs; e.g., if your source unit has a subwoofer output.

NOTE: For simplicity, Figures 10 through 12 do not show power, remote and input connections.

NOTE: Minimum speaker impedance for stereo operation is 2 ohms. Minimum speaker impedance for bridged operation is 4 ohms.

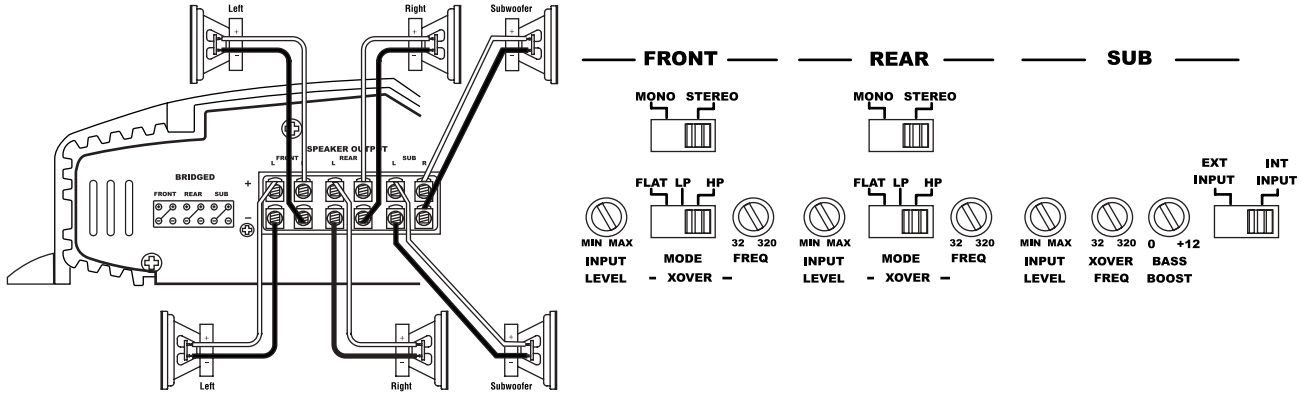


Figure 10. 6-Channel operation: 5760a/5761a amplifier driving full-range front and rear speakers and a pair of subwoofers.

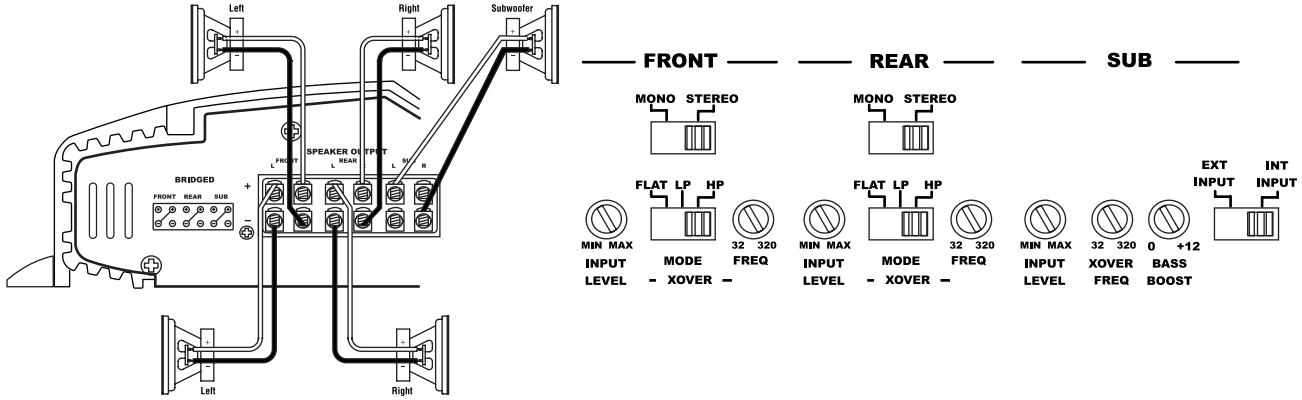


Figure 11. 5-Channel operation: The same as Figure 10, with the subwoofer output bridged to drive a single 4-ohm subwoofer, providing the speaker with more power.

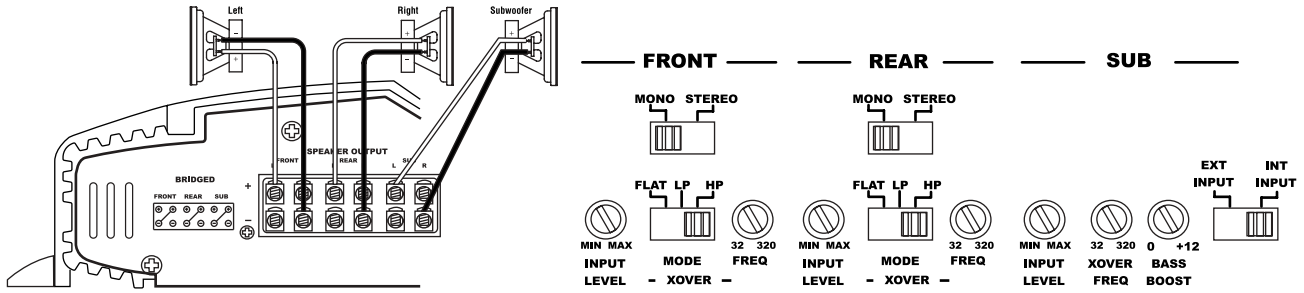


Figure 12. 3-Channel operation: 5760a/5761a amplifier configured for 3-channel operation, where all of the channels are bridged for a subwoofer and a pair of component speakers.

Installation and Setup

SETTING THE CROSSOVER(S)
Determine your system plans and set the crossover-mode switch accordingly. If your system design does not include a subwoofer, set the crossover mode to FLAT and skip to "Setting Input Sensitivity."

MODE SWITCH
Flat: Allows a full-range signal through to the speakers; can be used with larger full-range speakers such as 6" x 9"s.
HP: Allows a high-pass signal through to the speakers; should be used with most loudspeakers (can protect your full-range speakers from being overdriven with low frequencies, one cause of speaker damage).
LP: Allows bass to pass through to the speakers; should be selected when powering subwoofers.

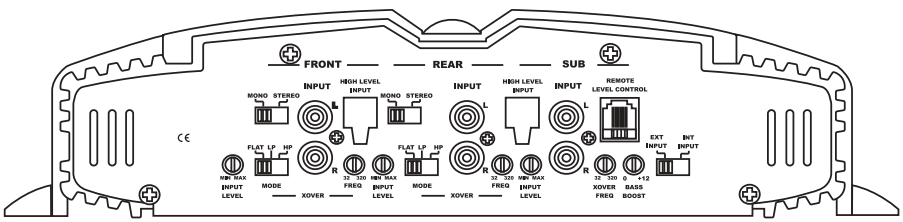
Initially set the crossover-frequency control midway. While listening to music, adjust the crossover for the least perceived distortion from the speakers, allowing them to reproduce as much bass as possible.

Systems using a separate subwoofer set the crossover mode to HP (high pass) for your full-range speakers. Adjust the crossover frequency to limit bass, and provide increased system volume with less distortion.

For subwoofers, choose the highest frequency that removes vocal information from the sound of the subwoofer.

NOTE: The subwoofer output of the 5760a/5761a is low-pass only and does not have a crossover-mode switch.

Figure 13. Control end panel.



SETTING INPUT SENSITIVITY

1. Initially turn the INPUT LEVEL control(s) to minimum (counterclockwise).
2. Reconnect the (–) negative lead to the vehicle's battery. Apply power to the audio system and play a dynamic music track.
3. On the source unit, increase the volume control to 3/4 volume. Slowly increase the INPUT LEVEL control(s) toward three o'clock until you hear slight distortion in the music. Then reduce the INPUT LEVEL slightly until distortion is no longer heard.

NOTE: After the source unit is on, blue LEDs (on the top panel) will light, indicating the amplifier is on. If not, check the wiring, especially the remote connection from the source unit. Also refer to "Troubleshooting" on the page 7.

REMOTE LEVEL CONTROL (OPTIONAL)

All three Reference subwoofer amplifiers and the 5760a/5761a amplifier have inputs for an optional remote level control (100rc). This will allow the subwoofer level to be adjusted from the listening position. Connect the optional remote level control using the RJ-11 jack on the side of the amplifier. Install the control module in the front of the vehicle within easy reach of the driver. Both the underside of the dash and the center console are suitable locations. Refer to the mounting instructions accompanying the 100rc.

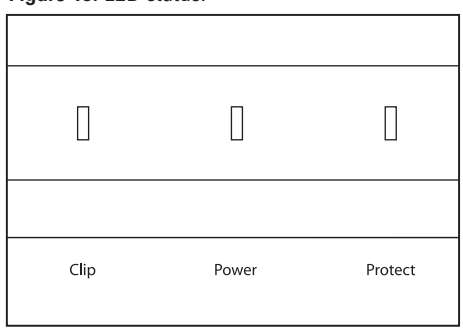
SETTING THE BASS BOOST

The5760a/5761a are all equipped with a bass-boost control. This allows you to enhance the bass output of your system at 50Hz up to 12dB.

STATUS LEDs

Clip: Indicates the amplifier is being overdriven, and your speakers may be in danger. This should blink only on musical peaks, and not be on constantly.
Power: Indicates the amplifier is on.
Protection: Refer to "Troubleshooting" for specific indications.

Figure 15. LED status.

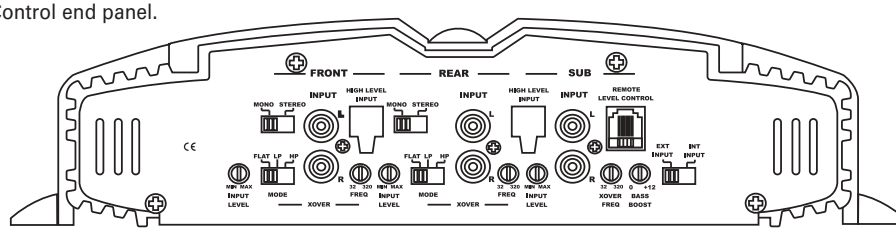


AUX OUTPUT

Reference amplifiers 5760a/5761a are equipped with full-range outputs that can be used to connect additional amplifiers.

NOTE: When using the low- or high-level inputs, the AUX outputs can be used to pass a full-range line-level signal to another amplifier.

Figure 13. Control end panel.



TROUBLESHOOTING

- **PROBLEM:**
  No audio (POWER LED is off).

  CAUSE and SOLUTION:
  No voltage at BATT+ and/or REM terminals, or bad or no ground connection. Check voltages at amplifier terminals with VOM.

- **PROBLEM:**
  No audio (PROTECT LED flashes every 4 seconds).

  CAUSE and SOLUTION:
  DC voltage on amplifier output. Amplifier may need service; see enclosed warranty card for service information.

- **PROBLEM:**
  No audio (PROTECT LED is on).

  CAUSE and SOLUTION:
  Amplifier is overheated. Make sure amplifier cooling is not blocked at mounting location; verify that speaker-system impedance is within specified limits.

- **PROBLEM:**
  No audio (PROTECT and POWER LEDs flash).

  CAUSE and SOLUTION:
  Voltage less than 9V on BATT+ connection. Check vehicle charging system.

- **PROBLEM:**
  No audio (PROTECT LED is on).

  CAUSE and SOLUTION:
  Voltage greater than 16V or less than 8.5V on BATT+ connection. Check vehicle charging system.

- **PROBLEM:**
  Distorted audio.

  CAUSE and SOLUTION:
  Input sensitivity is not set properly, or amplifier or source unit is defective. Check INPUT LEVEL setting, or check speaker wires for shorts or grounds.

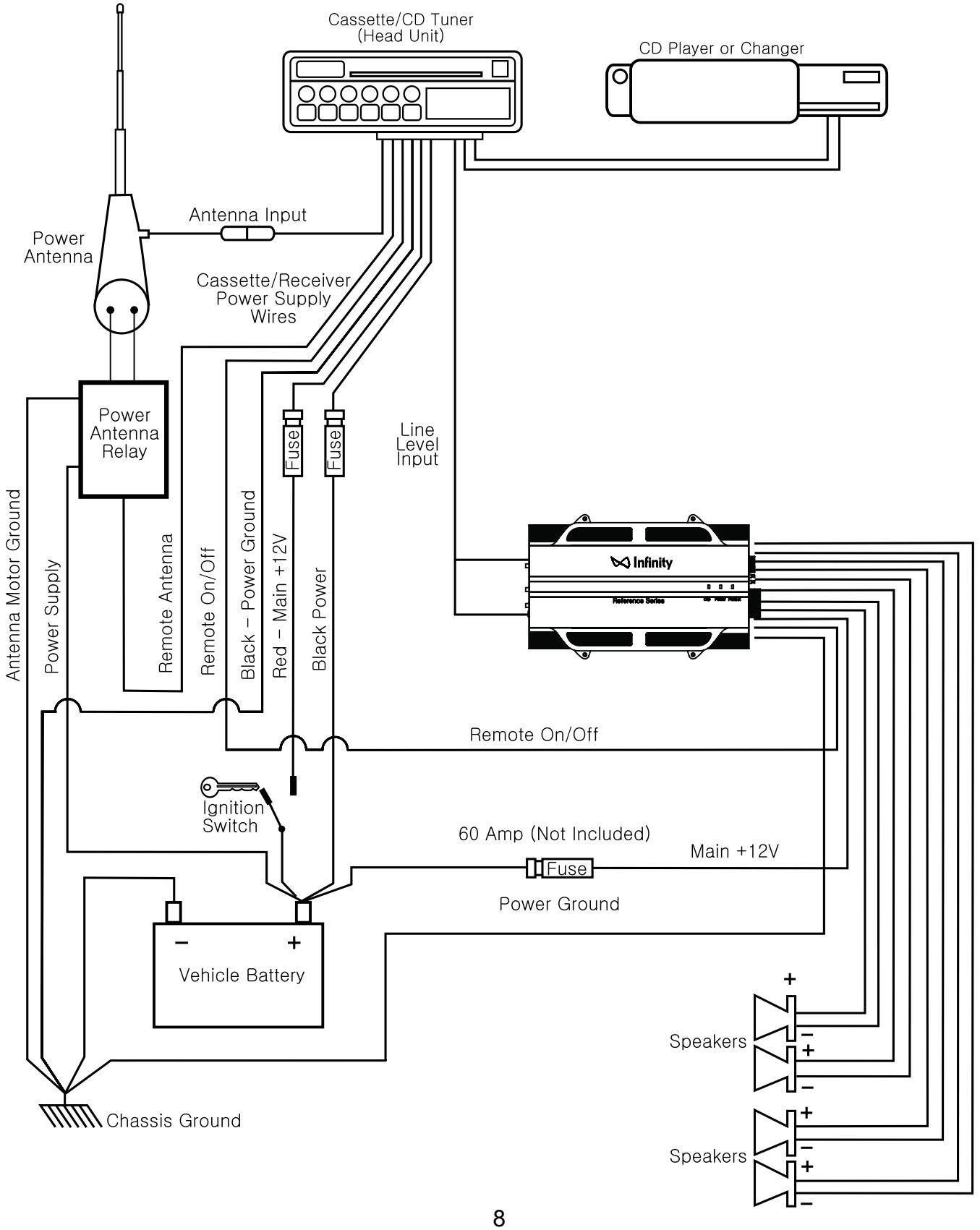
- **PROBLEM:**
  Distorted audio (PROTECT LED flashes).

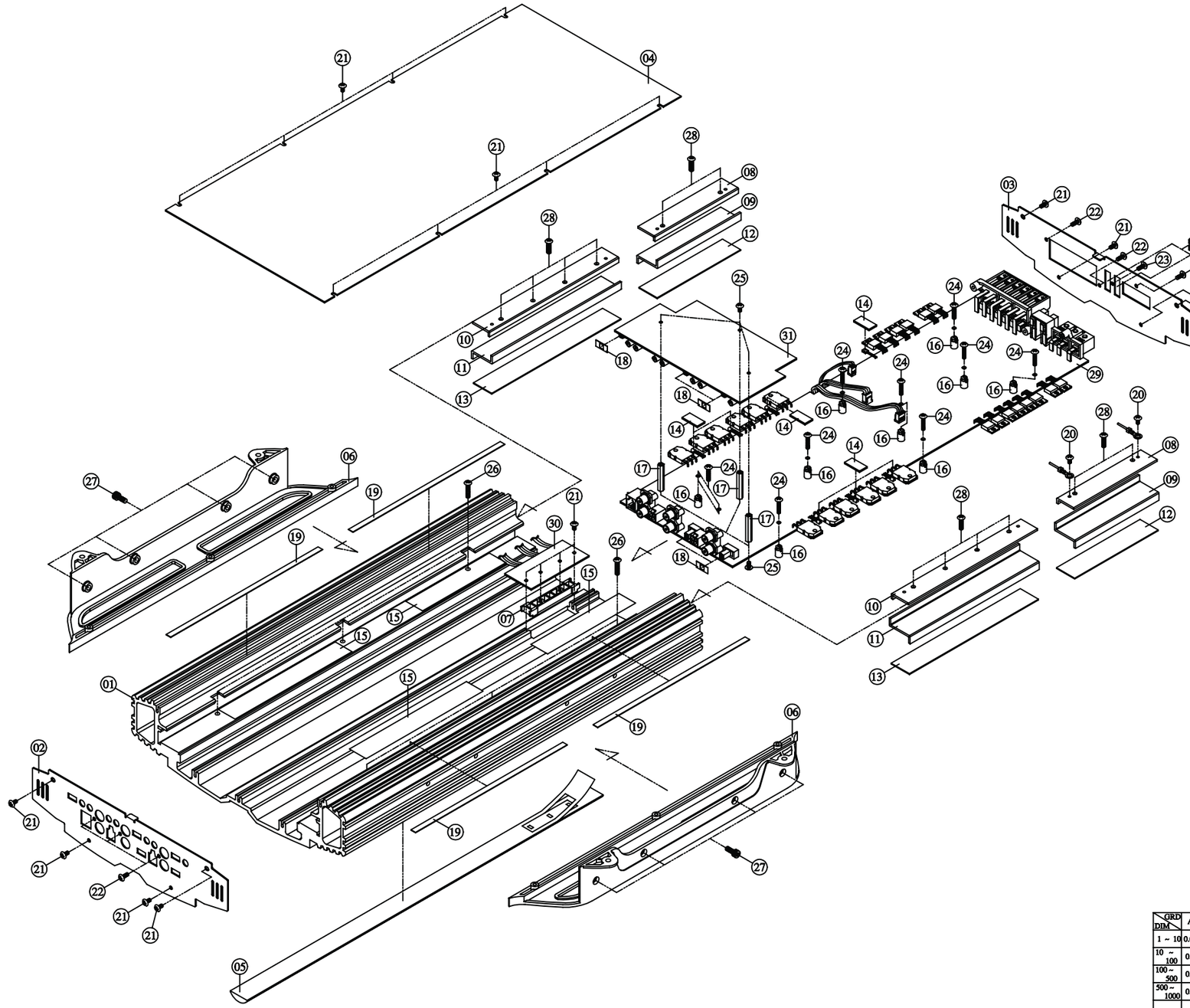
  CAUSE and SOLUTION:
  Short circuit in speaker or wire. Remove speaker leads one at a time to locate shorted speaker or wire, then repair.

- **PROBLEM:**
  Music lacks “punch.”

  CAUSE and SOLUTION:
  Speakers are not connected properly. Check speaker connections for proper polarity.

Typical System Configuration





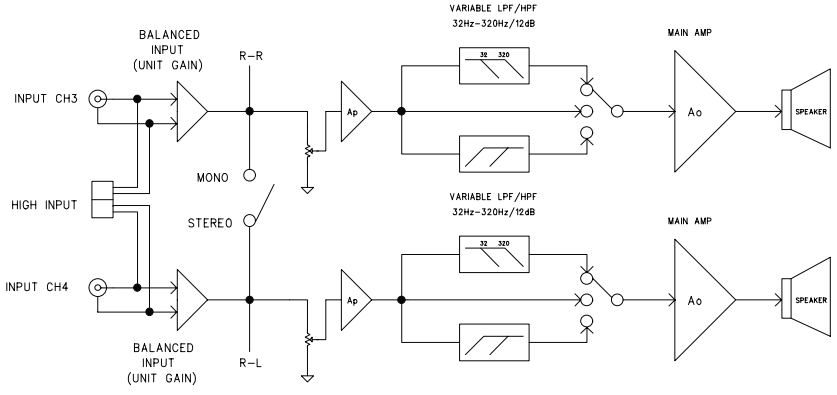
NO	PART NAME	PART #	DESCRIPTION	Q'TY
01	HEAT SINK-MAIN	HEA-01-184AA	AL/EXTRUSION(L=470.0mm)	1EA
02	PANEL-FRONT	PAN-06-277AA	EGI, 1.2t	1EA
03	5760a PANEL-REAR	PAN-06-278AA	EGI, 1.2t	1EA
	5761a PANEL-REAR	PAN-06-300AA	EGI, 1.2t	1EA
04	COVER-BOTTOM	COV-06-110AA	EGI, 1.2t	1EA
05	COVER-LENS	COV-22-553AA	ACRYLIC, L=380.0mm	1EA
06	FOOT-MOUNTING	FOO-21-015AA	ABS(XR-401), L=290.0mm	2EA
07	ILLUMINATOR	ILL-23-503A0	PC/MILKY	1EA
08	BRACKET-TR(A)	BKT-11-001A0	SBHG, 110.0× 22.5× 2.0t	2EA
09	BRACKET-TR(B)	BKT-11-002A0	SBHG, 110.0× 25.5× 2.0t	2EA
10	BRACKET-TR(C)	BKT-11-005A0	SBHG, 170.0× 22.5× 2.0t	2EA
11	BRACKET-TR(D)	BKT-11-006A0	SBHG, 170.0× 25.5× 2.0t	2EA
12	CUSHION-TR BRACKET (A)	SUB-28-001A0	FIBER, 110.0× 22.0× 1.0t	1EA
13	CUSHION-TR BRACKET (B)	SUB-28-008A0	FIBER, 170.0× 22.0× 1.0t	2EA
14	CUSHION-RUBBER	SUB-33-001A0	RUBBER, 10.0× 20.0× 1.6t	7EA
15	SILICON PAD	SIL-34-001A0	SP1000, 22.0× 0.3t	600mm
16	SUPPORT-PCB(A)	SS-5	NYLON, L=7.9mm	10EA
17	SUPPORT-PCB(B)	SUP-02-0210	BSBM(육각), L=29.0mm(NI-P)	3EA
18	SWITCH DECAL	SUB-27-003A0	FELT, 15.0x7.0x0.3t	5EA
19	PAPER SPACER(A)	SUB-28-002A0	FIBER, 200.0× 6.0× 0.5t	4EA
20	SCREW	SC5-NB-30050	STT2 BH 3× 5 NI-P	2EA
21	SCREW	SC5-BB-30060	STT2 BH 3× 6 BK	20EA
22	SCREW	SC5-BB-30080	STT2 BH 3× 8 BK	6EA
23	SCREW	SC5-BP-30080	STT2 PH 3× 8 BK	1EA
24	SCREW	SC5-NB-30150	STT2 BH 3× 15 NI-P	10EA
25	SCREW	SC1-NB-30060	SMB 3× 6 NI-P	6EA
26	SCREW	SC5-NP-35160	STT2 PH 3.5× 16 NI-P	6EA
27	SCREW	SC1-NL-40100	SML 4× 10 NI-P	8EA
28	SCREW	SC1-NP-40140	SMP 4× 14 NI-P	12EA
29	MAIN PCB		148.0× 469.0mm	1EA
30	LED PCB		44.0× 76.0mm, BLACK	1EA
31	SUB PCB		28.5× 78.0mm, BLACK	1EA
32	AUTO FUSE	FUS-AT-00006	30A	2EA

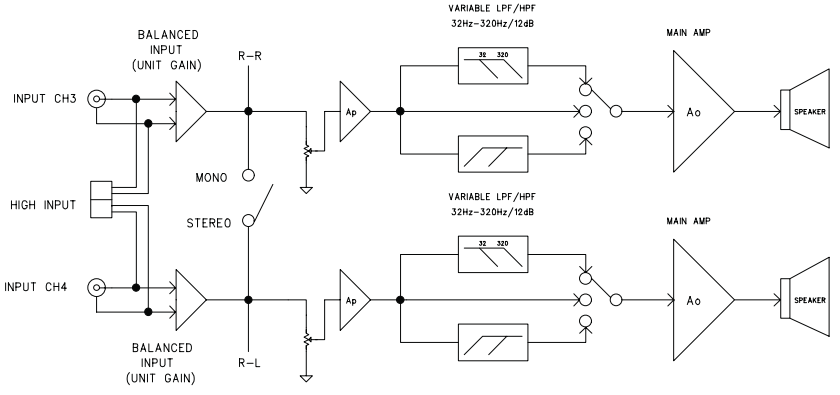
GRD / DIM	A	B	C
1 ~ 10	0.05	0.1	0.2
10 ~ 100	0.1	0.2	0.3
100 ~ 500	0.2	0.3	0.5
500 ~ 1000	0.3	0.5	1.5

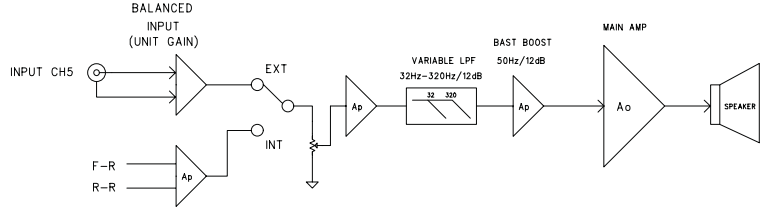
THIRD ANGLE	UNIT	SCALE	DATE	MODEL	REF5760a
	MM	1 : 1	2004.04.10	DRAW NO	
DRAW	CHECK	APPRO	NAME		
H.Y.AN		D.W.SEO	EXPLODED VIEW		
			CODE NO.	ISSUE	Φ

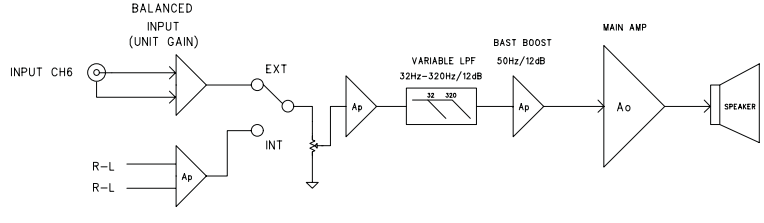
Mechanical Parts List

PART NO.	NOMENCATURE	DESCRIPTION	MFR PARTS	Q'TY
HEA-01-184AA	HEAT SINK-MAIN	AL/EXTRUSION(L=470.0mm)	side:P432C sandton spray top:silver spray/silk screen	1
PAN-06-277AA	PANEL-FRONT	EGI, 1.2t	P432C Painting & silk screen	1
PAN-06-278AA	REF 5760a PANEL-REAR	EGI, 1.2t	P432C Painting & silk screen	1
PAN-06-300AA	REF 5761a PANEL-REAR	EGI, 1.2t	P432C Painting & silk screen	1
COV-06-110AA	COVER-BOTTOM	EGI, 1.2t	P432C Painting	1
COV-22-553AA	COVER-LENS	ACRYLIC,(L=470mm)	SILKSCREEN,DUAL TAPE	1
FOO-21-015AA	FOOT-MOUNTING	ABS(XR-401),L=380mm	SILVER SPRAY	2
ILL-23-503A0	ILLUMINATOR	PC/MILKY		1
BKT-11-001A0	BRACKET TR(A)	SBHG, 110.0x22.5x2.0t		2
BKT-11-002A0	BRACKET TR(B)	SBHG, 110.0x25.5x2.0t		2
BKT-11-005A0	BRACKET TR(C)	SBHG, 170.0x22.5x2.0t		2
BKT-11-006A0	BRACKET TR(D)	SBHG, 170.0x25.5x2.0t		2
SUB-28-001A0	CUSHION TR BRACKET(A)	FIBER, 110.0x22.0x1.0t		2
SUB-28-008A0	CUSHION TR BRACKET(B)	FIBER, 170.0x22.0x1.0t		2
SUB-33-001A0	CUSHION RUBBER	RUBBER, 10.0x20.0x1.6t		7
SIL-34-001A0	SILICON PAD	SP1000, 22.0x0.3t		600mm
SS-5	SUPPORT PCB(A)	NYLON, L=7.9mm		10
SUP-02-0210	SUPPORT-PCB(B)	BSBM, L=29.0mm(NI-P)	SUB PCB	3
SUB-27-003A0	SWITCH DECAL	FELT, 15.0x7.0x0.3t		5
SUB-28-002A0	PAPER SPACER(A)	FIBER, 200.0x6.0x0.5t	COVER-BOTTOM	4
SUB-28-519A0	PAPER SPACER(B)	FIBER, 200.0x8.0x0.5t	TR	1
SUB-28-503A0	PAPER SPACER(C)	FIBER, 200.0x10.0x0.5t	FET	1
SC5-NB-30050	SCREW	STT2 BH 3x5 NI-P	GROUND WIRE	1
SC5-BB-30060	SCREW	STT2 BH 3x6 BK	PANEL/S+H/S(8),SUB/P+ILLUMINATOR(2) SUB/P+H/S(2),C/B+H/S(8)	20
SC5-BB-30080	SCREW	STT2 BH 3x8 BK	RCA(3), TERMINAL(3)	6
SC5-BP-30080	SCREW	STT2 PH 3x8 BK	R/P + FUSE HOLDER	1
SC5-NB-30150	SCREW	STT2 BH 3x15 NI-P	PCB + HEAT SINK	10
SC1-NB-30060	SCREW	SMB 3x6 NI-P	SUB PCB	6
SC5-NP-35160	SCREW	STT2 PH 3.5x16 NI-P	FOOT/M+ H/SINK	6
SC1-NL-40100	SCREW	SML 4x10 NI-P	FOOT/M + H/SINK	8
SC1-NP-40140	SCREW	SMP 4x14 NI-P	BRACKET TR	12
SC4-NO-40250	SCREW	STT1 OH 4x25 NI-P	ACCESSORY	4

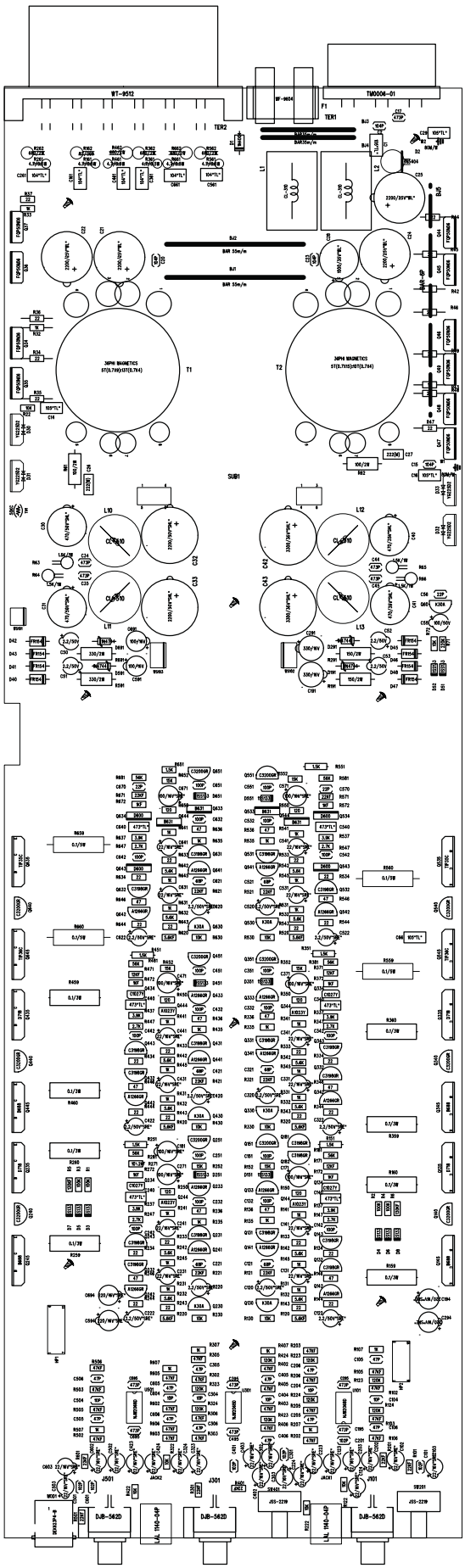

BALANCED
INPUT
(UNIT GAIN)
R-R
VARIABLE LPF/HPF
32Hz-320Hz/12dB
MAIN AMP
INPUT CH3
MONO
HIGH INPUT
STEREO
INPUT CH4
R-L
Ap
Ao
SPEAKER
32
320


BALANCED
INPUT
(UNIT GAIN)
R-R
VARIABLE LPF/HPF
32Hz-320Hz/12dB
MAIN AMP
INPUT CH3
MONO
HIGH INPUT
STEREO
INPUT CH4
R-L
Ap
Ao
SPEAKER
32
320

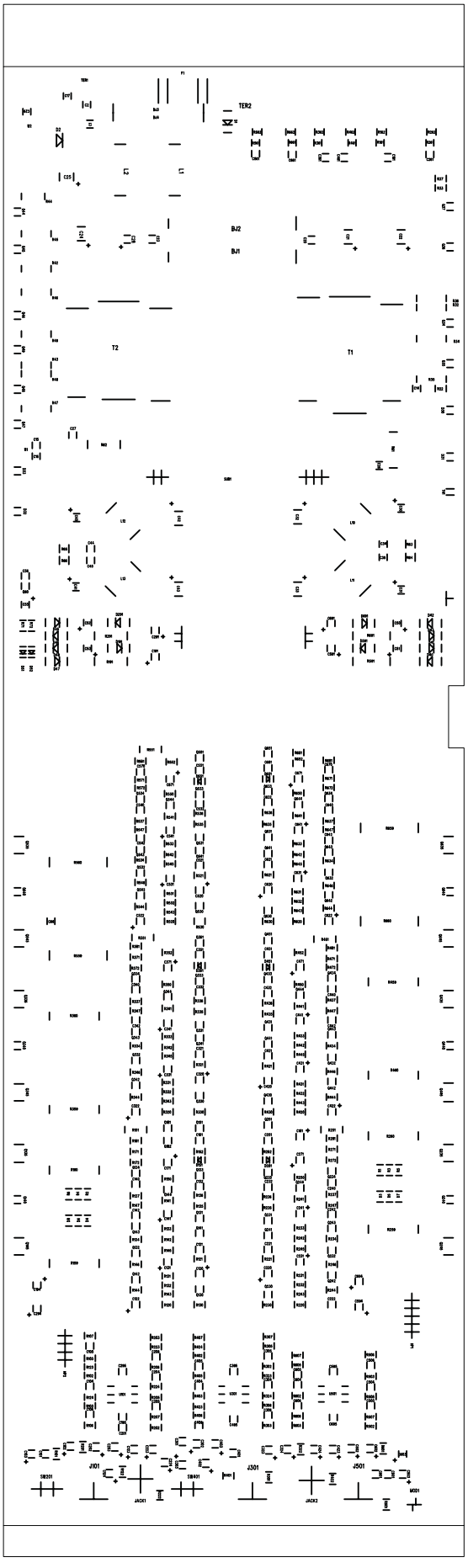

BALANCED
INPUT
(UNIT GAIN)
INPUT CH5
EXT
INT
F-R
R-R
VARIABLE LPF
32Hz-320Hz/12dB
BAST BOOST
50Hz/12dB
MAIN AMP
Ap
Ao
SPEAKER
32
320


BALANCED
INPUT
(UNIT GAIN)
INPUT CH6
EXT
INT
R-L
R-L
VARIABLE LPF
32Hz-320Hz/12dB
BAST BOOST
50Hz/12dB
MAIN AMP
Ap
Ao
SPEAKER
32
320

Printed Circuit Board (Top View)

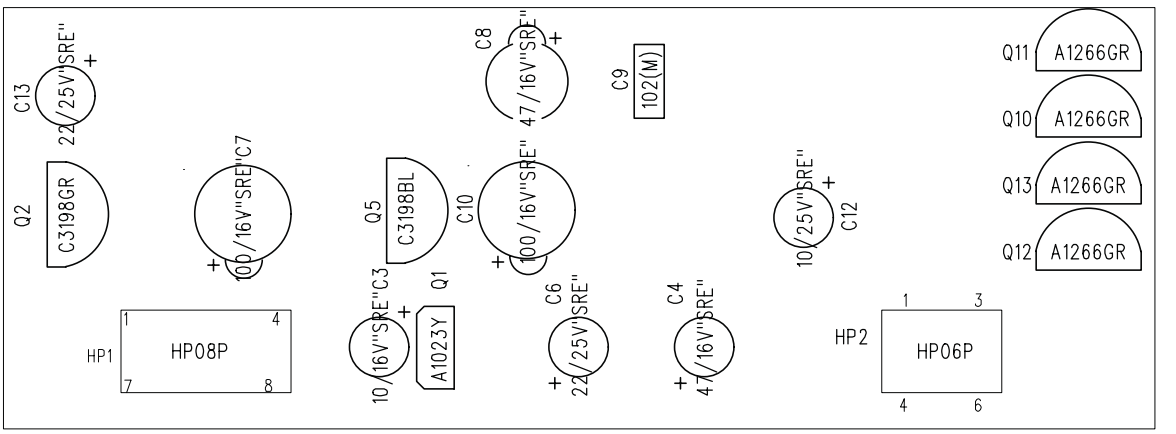


Printed Circuit Board (BOTTOM View)

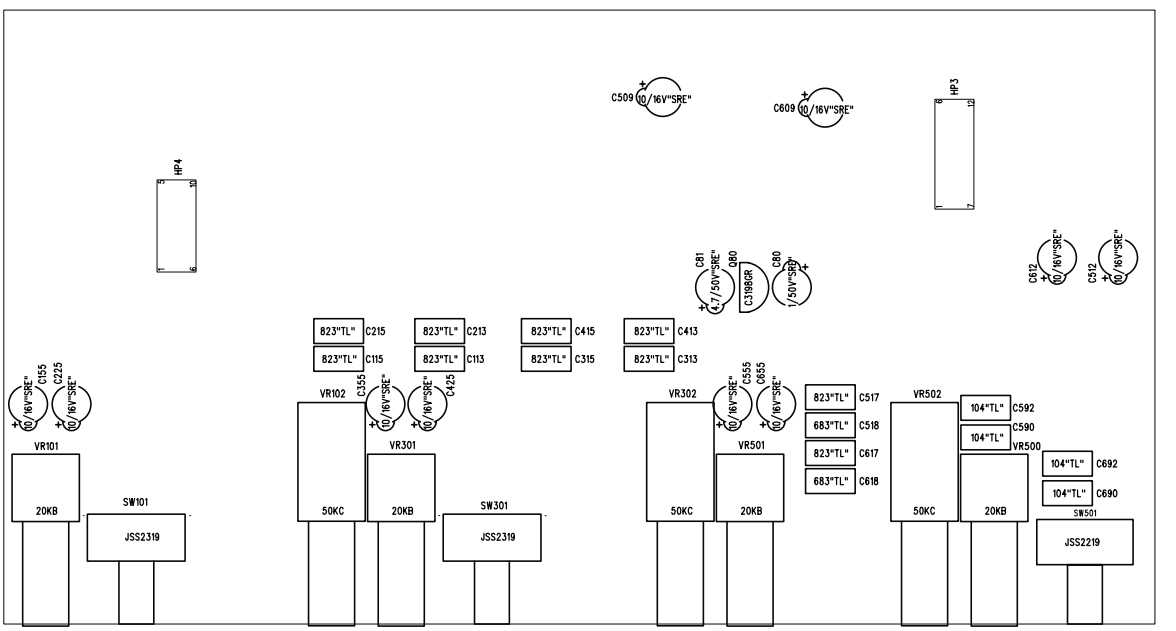


Printed Circuit Board (Top View)

PAS338-01



PAS327-01



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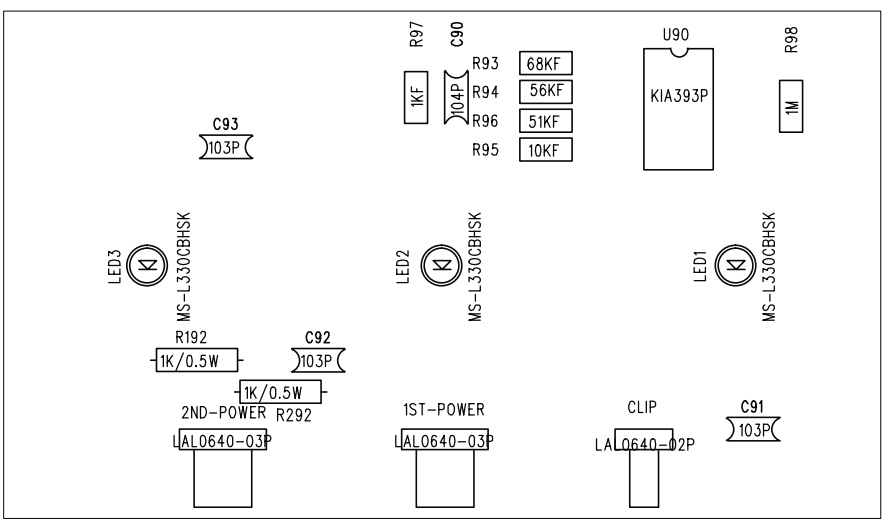

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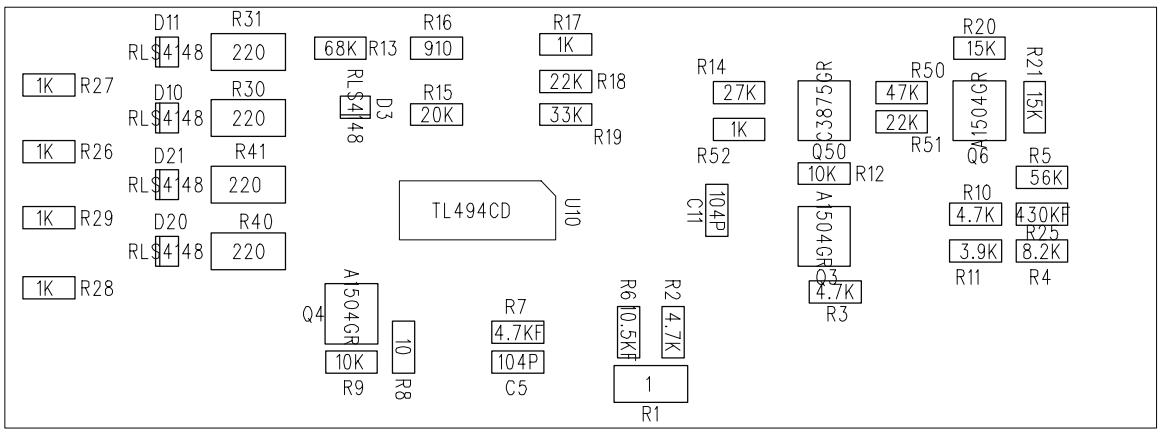

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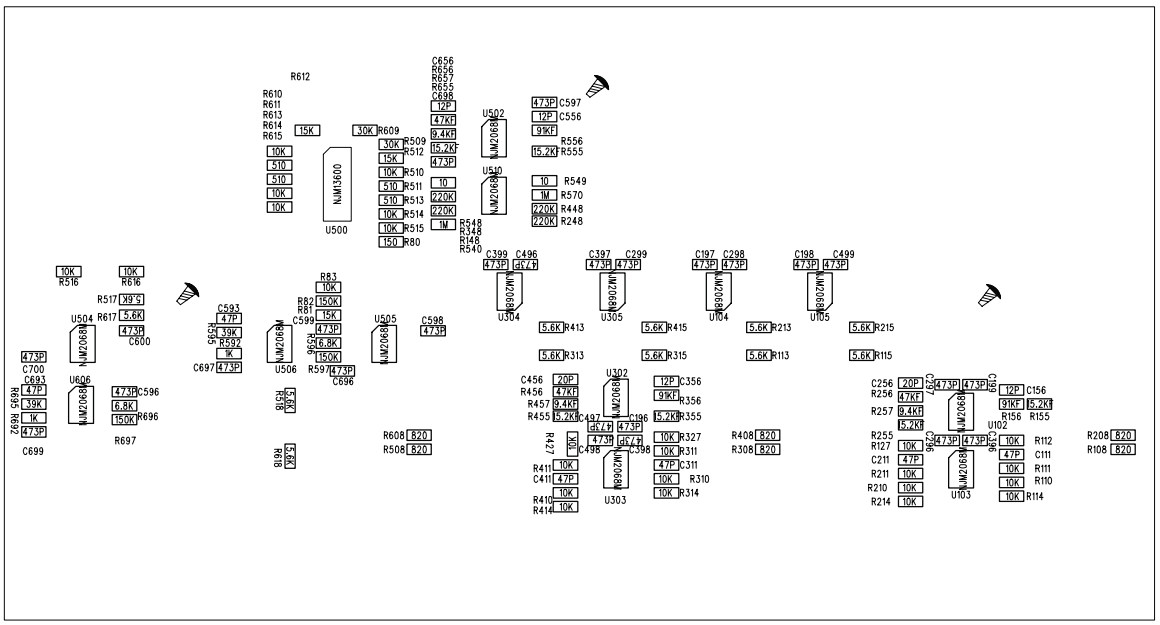


Electrical Parts List

PART NO.	NOMENCATURE	DESCRIPTION	MFR PARTS	REF. NO	Q'TY
TRS-00-00073	F.E.T	J-FET, N-CH	KTK30AGR	Q60,130,230,330,430,530,630	7
TRS-00-00088	TRANSISTOR	SMALL SIGNAL NPN "TO-92L"	KTC1027Y	Q134,234,334,434	4
TRS-00-00087	TRANSISTOR	SMALL SIGNAL PNP "TO-92L"	KTA1023Y	Q144,244,344,444	4
TRS-00-00111	TRANSISTOR	SMALL SIGNAL NPN "TO-92"	KTC3200GR	Q151,251,351,451,551,651	6
TRS-00-00110	TRANSISTOR	SMALL SIGNAL NPN "TO-92"	KTC3198GR	Q131,132,143,181,182,231,232,243,331,332 Q343,431,432,443,531,532,631,632	18
TRS-00-00090	TRANSISTOR	SMALL SIGNAL PNP "TO-92"	KTA1266GR	Q133,141,142,233,241,242,333,341,342,433 Q441,442,541,542,641,642	16
DIO-00-00006	DIODE	SWITCHING SIGNAL	1SS133(1N4148)	D3,4,5,6,7,8,51,52,151,251 D351,451,551,651	14
DIO-00-00003	DIODE	RECTIFIER	1N4004	D1	1
DIO-00-00020	DIODE	ZENNER 15V 1W	1N4744	D191,291,591,691	4
DIO-00-00108	DIODE	FAST RECOVERY	FR154	D40,41,42,43,45,46,47,48	8
RES-00-00437	RESISTOR	METAL FILM 1/5WF	1K OHM	R172,272,372,472,572,672	6
	RESISTOR	METAL FILM 1/5WF	5.6K OHM	R120,220,320,420,520,620	6
	RESISTOR	METAL FILM 1/5WF	12K OHM	R171,271,371,471	4
RES-00-00467	RESISTOR	METAL FILM 1/5WF	22K OHM	R101,121,201,221,301,321,401,421,501,521 R571,601,621,671	14
RES-00-00537	RESISTOR	METAL FILM 1/5WF	47K OHM	R102,103,105,106,202,203,205,206,302,303 R305,306,402,403,405,406,502,503,505,506 R602,603,605,606	24
RES-00-00418	RESISTOR	METAL FILM 1/5WF	130K OHM	R5,6	2
RES-00-00660	RESISTOR	CARBON FILM 1/5WJ	22 OHM	R34,35,36,37,44,45,46,47,48,49 R133,134,143,144,233,234,243,244,333,334 R343,344,433,434,443,444,533,534,543,544 R633,634,643,644	34
RES-00-00716	RESISTOR	CARBON FILM 1/5WJ	47 OHM	R136,146,236,246,336,346,436,446,536,546 R636,646	12
RES-00-00615	RESISTOR	CARBON FILM 1/5WJ	120 OHM	R150,250,350,450,550,650	6
RES-00-00633	RESISTOR	CARBON FILM 1/5WJ	1K OHM	R32,33,42,43,107,131,135,141,145,207 R231,235,241,245,307,331,335,341,345,407 R431,435,441,445,507,531,535,541,545,607 R631,635,641,645	34
RES-00-00598	RESISTOR	CARBON FILM 1/5WJ	1.5K OHM	R151,251,351,451,551,651	6
RES-00-00644	RESISTOR	CARBON FILM 1/5WJ	2.7K OHM	R147,247,347,447,547,647	6
RES-00-00676	RESISTOR	CARBON FILM 1/5WJ	3.9K OHM	R137,237,337,437,537,637	6
RES-00-00720	RESISTOR	CARBON FILM 1/5WJ	5.6K OHM	R132,142,232,242,332,342,432,442,532,542 R632,642	12
RES-00-00608	RESISTOR	CARBON FILM 1/5WJ	10K OHM	R22,72,122,130,222,230,322,330,422,430 R530,630	12
RES-00-00623	RESISTOR	CARBON FILM 1/5WJ	15K OHM	R152,252,352,452,552,652	6
RES-00-00730	RESISTOR	CARBON FILM 1/5WJ	56K OHM	R181,281,381,481,581,681	6
RES-00-00604	RESISTOR	CARBON FILM 1/5WJ	100K OHM	R1,2,3,4	4
RES-00-00614	RESISTOR	CARBON FILM 1/5WJ	120K OHM	R123,124,223,224,323,324,423,424	8
RES-00-00654	RESISTOR	CARBON FILM 1/5WJ	220K OHM	R71	1
CEC-00-00077	CAPACITOR	CERAMIC DISK 50V "NPO"	10pF	C104,204,304,404,504,604	6
CEC-00-00090	CAPACITOR	CERAMIC DISK 50V "NPO"	22pF	C56,570,670	3
CEC-00-00103	CAPACITOR	CERAMIC DISK 50V "NPO"	47pF	C105,106,205,206,305,306,405,406,505,506 C605,606	12
CEC-00-00108	CAPACITOR	CERAMIC DISK 50V "NPO"	68pF	C121,221,321,421,521,621	6
CEC-00-00073	CAPACITOR	CERAMIC DISK 50V "NPO"	100pF	C132,142,151,232,242,251,332,342,351,432 C442,451,532,542,551,632,642,651	18
CEC-00-00074	CAPACITOR	CERAMIC DISK 50V	102pF	C101,201,301,401,501,601	6
CEC-00-00102	CAPACITOR	CERAMIC DISK 50V	473pF	C17,34,35,44,45,195,295,395,495,595 C695	11
CEC-00-00076	CAPACITOR	CERAMIC DISK 50V	104pF	C2,15,20,23	4
ELC-00-00249	CAPACITOR	ELECTROLYTIC"SRE"	2.2uF/50V	C120,122,220,222,320,322,420,422,520,522 C620,622	12
ELC-00-00641	CAPACITOR	ELECTROLYTIC"SRE"	22uF/16V	C102,103,123,124,131,141,202,203,223,224 C231,241,302,303,323,324,331,341,402,403 C423,424,431,441,502,503,531,541,602,603 C631,641	32

Electrical Parts List cont'd

PART NO.	NOMENCATURE	DESCRIPTION	MFR PARTS	REF. NO	Q'TY
ELC-00-00243	CAPACITOR	ELECTROLYTIC"SRE"	100uF/16V	C171,181,271,371,471,571,671	7
ELC-00-00701	CAPACITOR	ELECTROLYTIC"SRE"	220uF/16V	C194,294,594,694	4
ELC-00-00223	CAPACITOR	ELECTROLYTIC"SMS"	2.2uF/50V	C50,51,52,53	4
ELC-00-00199	CAPACITOR	ELECTROLYTIC"SMS"	100uF/16V	C591,691	2
ELC-00-00231	CAPACITOR	ELECTROLYTIC"SMS"	100uF/50V	C55	1
ELC-00-00249	CAPACITOR	ELECTROLYTIC"SRE/SE"	2.2uF/50V	C60	1
MYC-00-00031	CAPACITOR	MYLAR 5% 100V	222J	C26,27	2
MYC-00-00090	CAPACITOR	MYLAR 5% 63V "TL"	473J	C140,240,340,440,540,640	6
MYC-00-00083	CAPACITOR	MYLAR 5% 63V "TL"	104J	C161,261,361,461,561,661	6
MYC-00-00085	CAPACITOR	MYLAR 5% 63V "TL"	105J	C1,14,16,29,66	4
ICO-00-00111	I.C	DUAL OP AMP "DIP-08"	NJM2068D	U101,301,501	3
FET-00-00023	F.E.T	N-CH POWER FET "TO-220"	FQP50N06	Q34,35,36,37,44,45,46,47,48,49	10
TRS-00-00176	TRANSISTOR	AUDIO POWER NPN "TO-3P"	KTD718	Q135,235,335,435	4
TRS-00-00082	TRANSISTOR	AUDIO POWER PNP "TO-3P"	KTB688	Q145,245,345,445	4
TRS-00-00207	TRANSISTOR	AUDIO POWER PNP "TO-3P"	TIP36C	Q545,645	2
TRS-00-00188	TRANSISTOR	AUDIO POWER NPN "TO-3P"	TIP35C	Q535,635	2
TRS-00-00032	TRANSISTOR	MIDDLE POWER TR NPN "TO-126"	KTD600K	Q534,543,634,643	4
TRS-00-00081	TRANSISTOR	MIDDLE POWER TR PNP "TO-126"	KTB631K	Q533,544,633,644	4
TRS-00-00111	TRANSISTOR	SMALL SIGNAL NPN "TO-92"	KTC3200GR	Q140,240,340,440,540,640	6
DIO-00-00048	DIODE	RECTIFIER	1N5404	D2	1
DIO-00-00152	DIODE	FAST RECOVERY	YG225D2	D30,31,32,33	4
RES-00-00053	RESISTOR	CARBON FILM 1/2WJ	4.7 OHM	R161,261,361,461,561,661	6
RES-00-00787	RESISTOR	METAL FILM 1WJ	1.5K OHM	R63,64,65,66	4
RES-00-00845	RESISTOR	METAL FILM 2WJ	100 OHM	R61,62	2
RES-00-01273	RESISTOR	METAL FILM 2WJ	150 OHM	R191,291	2
RES-00-00869	RESISTOR	METAL FILM 2WJ	330 OHM	R591,691	2
RES-00-00881	RESISTOR	METAL FILM 2WJ	680 OHM	R162,262,362,462,562,662	6
RES-00-00896	RESISTOR	WIRE WOUND 3WJ	0.1 OHM	R159,160,259,260,359,360,459,460	8
RES-00-00958	RESISTOR	WIRE WOUND 5WJ	0.1 OHM	R559,560,659,660	4
THS-00-00013	THERMISTOR	NTC RESISTOR 50K	FTD5-350	TH1	1
ELC-00-00201	CAPACITOR	ELECTROLYTIC"SMS"	330uF/16V	C191,291	2
ELC-00-00185	CAPACITOR	ELECTROLYTIC"SHL"	470uF/35V	C40,C41	2
ELC-00-00463	CAPACITOR	ELECTROLYTIC"SHL"	470uF/50V	C30,31	2
ELC-00-00726	CAPACITOR	ELECTROLYTIC"WL"	1000uF/35V	C28	1
ELC-00-00727	CAPACITOR	ELECTROLYTIC"WL"	2200uF/25V	C21,22,24,25	4
ELC-00-00187	CAPACITOR	ELECTROLYTIC"SHL"	2200uF/50V	C32,33	2
ELC-00-00603	CAPACITOR	ELECTROLYTIC"SHL"	3300uF/35V	C42,43	2
COI-00-00028	INDUCTOR	DRUM COIL	CL-310	L1,2	2
COI-00-00093	INDUCTOR	DRUM COIL	CL-510	L10,11,12,13	4
COR-TF-00388	RING CORE	36PHI MAGNETICS		T1 , 5T(0.7X9) : 13T(0.7X4)	1
COR-TF-00389	RING CORE	36PHI MAGNETICS		T2 , 5T(0.7X15) : 10T(0.7X4)	1
WIR-00-00016	GND WIRE	AWG #22 BLACK	80m/m	W1,2	2
JAC-00-00042	RCA JACK	GOLD PLATED 2P	DJB-562D	J101,301,501	3
HOD-00-00011	FUSE HOLDER	P.C.B TYPE	WF-9604	F1	1
FUS-00-00010	FUSE	32V/30A	32V30A	2SET+2ASS'Y	4
JAC-00-00050	MODULAR JACK	BLACK	DEK623P4-B	MOD1	1
CON-00-00002	WAFER		LWL0640-2P	CLIP	1
CON-00-00033	WAFER		LWL0640-3P	1ST POWER,2ND POWER	2
CON-00-00128	WAFER		LAD1140-04PBK	JACK1,2	2
WIR-00-00208	WIRE ASS'Y	300m/m	CHD1140-04PBK	ACCESSORY	2
TUB-00-00008	TEFLON TUBE	0.7PHI	10m/m	Q140,240,340,440,540,640/ TH1	8
JUP-00-00003	BAR JUMPER		35m/m	BJ3,4	2
JUP-00-00005	BAR JUMPER		55m/m	BJ1,2	2
JUP-00-00011	BUS BAR	6PIN	MA-BA-02-1960-0	BJ5	1

Electrical Parts List cont'd

PART NO.	NOMENCATURE	DESCRIPTION	MFR PARTS	REF. NO	Q'TY
SWI-00-00024	SWITCH	SLIDE SWITCH	JSS2219	SW201,401	2
TER-00-00030	POWER TERMINAL	GOLD PLATED,3P	TM0006-01	TER1	1
TER-00-00020	POWER TERMINAL	GOLD PLATED,12P	WT-9512	TER2	1
HED-00-00113	SOCKET		TM2501-DG-10P	HP2	1
HED-00-00114	SOCKET		TM2501-DG-12P	HP1	1
ICO-00-00021	I.C	PWM I.C "SO-16"	TL494CD	U10	1
TRS-00-00113	TRANSISTOR	SMD TO-23 NPN	KTC3875GR	Q50	1
TRS-00-00098	TRANSISTOR	SMD TO-23 PNP	KTA1504GR	Q3,4,6	3
DIO-00-00117	DIODE	SWITCHING SIGNAL	RLS4148	D3,10,11,20,21	5
RES-08-00077	RESISTOR	SMD 0805 1/10WF	4.7K OHM	R7	1
RES-08-00251	RESISTOR	SMD 0805 1/10WF	10.5K OHM	R6	1
RES-08-00250	RESISTOR	SMD 0805 1/10WF	430K OHM	R25	1
RES-08-00135	RESISTOR	SMD 0805 1/10WJ	10 OHM	R8	1
RES-08-00229	RESISTOR	SMD 0805 1/10WJ	910 OHM	R16	1
RES-08-00148	RESISTOR	SMD 0805 1/10WJ	1K OHM	R17,26,27,28,29,52	6
RES-08-00177	RESISTOR	SMD 0805 1/10WJ	3.9K OHM	R11	1
RES-08-00191	RESISTOR	SMD 0805 1/10WJ	4.7K OHM	R2,3,10	3
RES-08-00223	RESISTOR	SMD 0805 1/10WJ	8.2K OHM	R4	1
RES-08-00132	RESISTOR	SMD 0805 1/10WJ	10K OHM	R9,12	2
RES-08-00143	RESISTOR	SMD 0805 1/10WJ	15K OHM	R20,21	2
RES-08-00160	RESISTOR	SMD 0805 1/10WJ	20K OHM	R15	1
RES-08-00164	RESISTOR	SMD 0805 1/10WJ	22K OHM	R18,51	2
RES-08-00170	RESISTOR	SMD 0805 1/10WJ	27K OHM	R14	1
RES-08-00182	RESISTOR	SMD 0805 1/10WJ	33K OHM	R19	1
RES-08-00198	RESISTOR	SMD 0805 1/10WJ	47K OHM	R50	1
RES-08-00208	RESISTOR	SMD 0805 1/10WJ	56K OHM	R5	1
RES-08-00216	RESISTOR	SMD 0805 1/10WJ	68K OHM	R13	1
RES-12-00147	RESISTOR	SMD 1206 1/8WJ	1 OHM	R1	1
RES-12-00159	RESISTOR	SMD 1206 1/8WJ	220 OHM	R30,31,40,41	4
CEC-08-00004	CAPACITOR	SMD 0805	104pF	C5,11	2
TRS-00-00087	TRANSISTOR	SMALL SIGNAL PNP "TO-92L"	KTA1023Y	Q1	1
TRS-00-00090	TRANSISTOR	SMALL SIGNAL PNP "TO-92"	KTA1266GR	Q10,11,12,13	4
TRS-00-00110	TRANSISTOR	SMALL SIGNAL NPN "TO-92"	KTC3198GR	Q2	1
TRS-00-00109	TRANSISTOR	SMALL SIGNAL NPN "TO-92"	KTC3198BL	Q5	1
MYC-00-00020	CAPACITOR	MYLAR 5% 100V	102J	C9	1
ELC-00-00699	CAPACITOR	ELECTROLYTIC"SRE"	10uF/25V	C12	1
ELC-00-00241	CAPACITOR	ELECTROLYTIC"SRE"	10uF/16V	C3	1
ELC-00-00700	CAPACITOR	ELECTROLYTIC"SRE"	22uF/25V	C6,13	2
ELC-00-00242	CAPACITOR	ELECTROLYTIC"SRE"	47uF/16V	C4,8	2
ELC-00-00243	CAPACITOR	ELECTROLYTIC"SRE"	100uF/16V	C7,10	2
HED-00-00068	HEADER PIN	GOLD PLATED	TM2008-CG-06P	HP2	1
HED-00-00172	HEADER PIN	GOLD PLATED	TM2008-CG-08P	HP1	1
ICO-00-00354	I.C	REMOTE CONTROL IC "SMD"	NJM13600D	U500	1
ICO-00-00113	I.C	DUAL OP AMP	NJM2068M	U102,103,104,105,302,303,304,305,502,504 U505,506,510,606	14
RES-08-00252	RESISTOR	SMD 0805 1/10WF	9.4K OHM	R257,457,657	3
RES-08-00253	RESISTOR	SMD 0805 1/10WF	15.2K OHM	R155,255,355,455,555,655	6
RES-08-00088	RESISTOR	SMD 0805 1/10WF	47K OHM	R256,456,656	3
RES-08-00117	RESISTOR	SMD 0805 1/10WF	91K OHM	R156,356,556	3
RES-08-00135	RESISTOR	SMD 0805 1/10WJ	10 OHM	R548,549	2
RES-08-00142	RESISTOR	SMD 0805 1/10WJ	150 OHM	R80	1
RES-08-00203	RESISTOR	SMD 0805 1/10WJ	510 OHM	R511,513,611,613	4
RES-08-00225	RESISTOR	SMD 0805 1/10WJ	820 OHM	R108,208,308,408,508,608	6
RES-08-00148	RESISTOR	SMD 0805 1/10WJ	1K OHM	R592,692	2
RES-08-00201	RESISTOR	SMD 0805 1/10WJ	5.6K OHM	R113,115,213,215,313,315,413,415,517,518 R617,618	12

Electrical Parts List cont'd

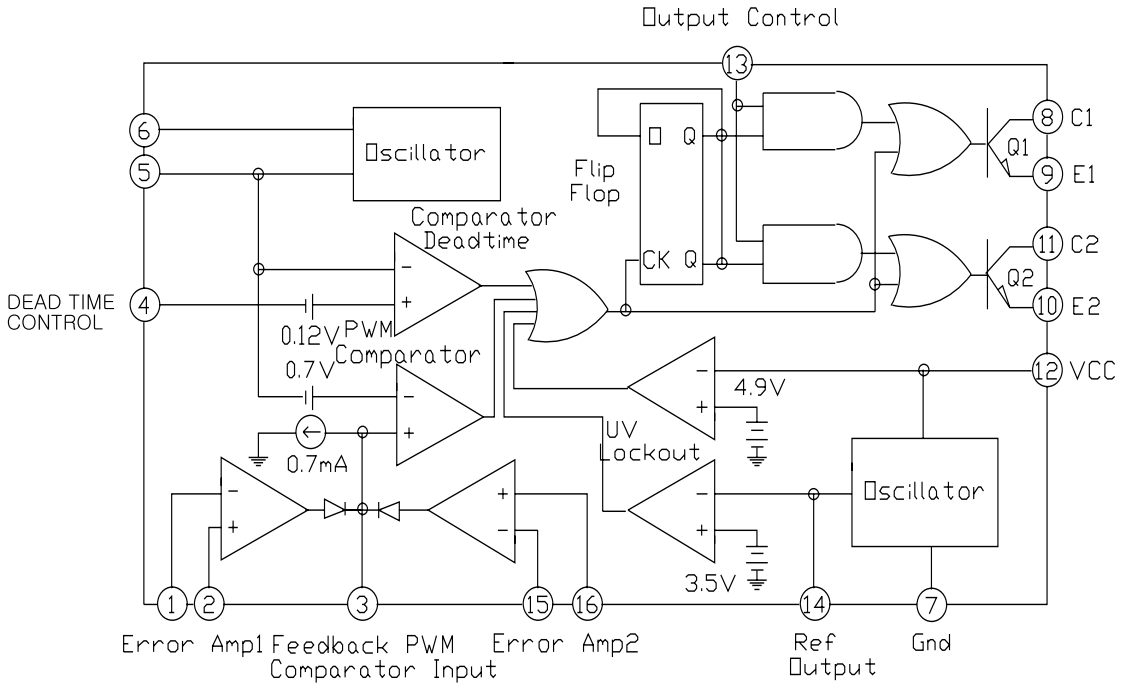
PART NO.	NOMENCATURE	DESCRIPTION	MFR PARTS	REF. NO	Q'TY
RES-08-00210	RESISTOR	SMD 0805 1/10WJ	6.8K OHM	R596,696	2
RES-08-00132	RESISTOR	SMD 0805 1/10WJ	10K OHM	R83,110,111,112,114,127,210,211,214,310 R311,314,327,410,411,414,427,510,514,515 R516,610,614,615,616	25
RES-08-00143	RESISTOR	SMD 0805 1/10WJ	15K OHM	R81,512,612	3
RES-08-00179	RESISTOR	SMD 0805 1/10WJ	30K OHM	R509,609	2
RES-08-00187	RESISTOR	SMD 0805 1/10WJ	39K OHM	R595,695	2
RES-08-00141	RESISTOR	SMD 0805 1/10WJ	150K OHM	R82,597,697	3
RES-08-00162	RESISTOR	SMD 0805 1/10WJ	220K OHM	R148,248,348,448	4
RES-08-00149	RESISTOR	SMD 0805 1/10WJ	1M OHM	R540,570	2
CEC-08-00009	CAPACITOR	SMD 0805	12pF	C156,356,556,656	4
CEC-08-00017	CAPACITOR	SMD 0805	20pF	C256,456	2
CEC-08-00042	CAPACITOR	SMD 0805	47pF	C111,211,311,411,593,693	6
CEC-08-00040	CAPACITOR	SMD 0805	473pF	C196,197,198,199,296,297,298,299,396,397 C398,399,496,497,498,499,596,597,598,599 C600,696,697,698,699,700	26
TRS-00-00110	TRANSISTOR	SMALL SIGNAL NPN "TO-92"	KTC3198GR	Q80	1
MYC-00-00091	CAPACITOR	MYLAR 5% 63V "TL"	683J	C518,618	2
MYC-00-00157	CAPACITOR	MYLAR 5% 63V "TL"	823J	C113,115,213,215,313,315,413,415,517,617	10
MYC-00-00083	CAPACITOR	MYLAR 5% 63V "TL"	104J	C590,592,690,692	4
ELC-00-00642	CAPACITOR	ELECTROLYTIC"SRE"	1uF/50V	C80	1
ELC-00-00250	CAPACITOR	ELECTROLYTIC"SRE"	4.7uF/50V	C81	1
ELC-00-00241	CAPACITOR	ELECTROLYTIC"SRE"	10uF/16V	C155,255,355,425,509,512,555,609,612,655	10
SWI-00-00033	SWITCH	SLIDER SWITCH	JSS2319	SW101,301	2
SWI-00-00024	SWITCH	SLIDER SWITCH	JSS2219	SW501	1
VOL-00-00349	VOLUME	V9M(7x5) G3(PH2R)N 15S	20KBx2	VR101,301,500,501	4
VOL-00-00351	VOLUME	V9M(7x5) G(4R)(PH2R)N-15S	50KCx4	VR102,302,502	3
HED-00-00250	PIN CONNECTOR	TM2008-D76G-10P	10P	HP4	1
HED-00-00251	PIN CONNECTOR	TM2008-D76G-12P	12P	HP3	1
ICO-00-00095	I.C	COMPARATOR DIP-8P	KIA393P	U90	1
RES-00-00437	RESISTOR	METAL FILM 1/5WF	1K OHM	R97	1
RES-00-00402	RESISTOR	METAL FILM 1/5WF	10K OHM	R95	1
RES-00-00550	RESISTOR	METAL FILM 1/5WF	51K OHM	R96	1
RES-00-00556	RESISTOR	METAL FILM 1/5WF	56K OHM	R94	1
RES-00-00573	RESISTOR	METAL FILM 1/5WF	68K OHM	R93	1
RES-00-00635	RESISTOR	CARBON FILM 1/5WJ	1M OHM	R98	1
RES-00-00029	RESISTOR	METAL FILM 1/2WJ	1K OHM	R192,292	2
CEC-00-00005	CAPACITOR	CERAMIC TUBULAR 50V	103P	C91,92,93	3
CEC-00-00006	CAPACITOR	CERAMIC TUBULAR 50V	104P	C90	1
DIO-00-00321	LED	BLUE 3PHI	MS-L330CBHSK	LED1,2,3	3
CON-00-00139	WAFER		LAL0640-2P	CLIP	1
CON-00-00140	WAFER		LAL0640-3P	1ST POWER,2ND POWER	2
WIR-AS-00220	WIRE ASS'Y	BK,RED	CHL0640-2P(300m/m)	CLIP	1
WIR-AS-00218	WIRE ASS'Y	BK,RED,GREEN	CHL0640-3P(300m/m)	1ST POWER	1
WIR-AS-00219	WIRE ASS'Y	BK,YELLOW,GREEN	CHL0640-3P(300m/m)	2ND POWER	1

Reference 5761a Electrical Parts List Addendum

The following chart below represents the only electrical parts differences in 5760a and 5761a models:

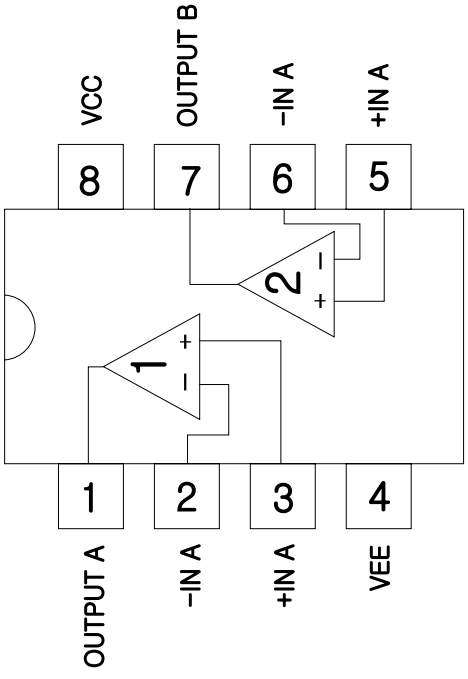
	MODEL	PART NAME	PART NUMBER	SPEC	DESIGNATOR
1	REF 5760a	RESISTOR	RES-00-00415	1/5WF 12K OHM	R171,271,371,471
	REF 5761a	**RESISTOR**	**RES-00-00480**	**1/5WF 27K OHM**	**R171,271,371,471**
2	REF 5760a	RESISTOR	RES-00-00467	1/5WF 22K OHM	R571,671
	REF 5761a	**RESISTOR**	**RES-00-00532**	**1/5WF 43K OHM**	**R571,671**
3	REF 5760a	RESISTOR	RES-08-00225	SMD 0805 1/10WJ 820 OHM	R108,208,308,408,508,608
	REF 5761a	**RESISTOR**	**RES-08-00242**	**SMD 0805 1/10WF 240 OHM**	**R108,208,308,408,508,608**
4	REF 5760a	RESISTOR	RES-08-00253	SMD 0805 1/10WF 15.2KOHM	R155,255,355,455,555,655
	REF 5761a	**RESISTOR**	**RES-08-00116**	**SMD 0805 1/10WF 9.1KOHM**	**R155,255,355,455,555,655**
5	REF 5760a	POWER TERMINAL	TER-00-00030	(3P) TM006-01	TER1
	REF 5761a	POWER TERMINAL	**TER-00-00278**	**(3P) DK-03B04-AG-5-UP**	**TER1**
6	REF 5760a	SPEAKER TERMINAL	TER-00-00020	(12P) WT-9512	TER2
	REF 5761a	SPEAKER TERMINAL	**TER-00-00272**	**(12P) DK-1201-AG-5-UP**	**TER2**

SUB B'D(PAS338-01) U10 (TL494CD) P.W.M IC

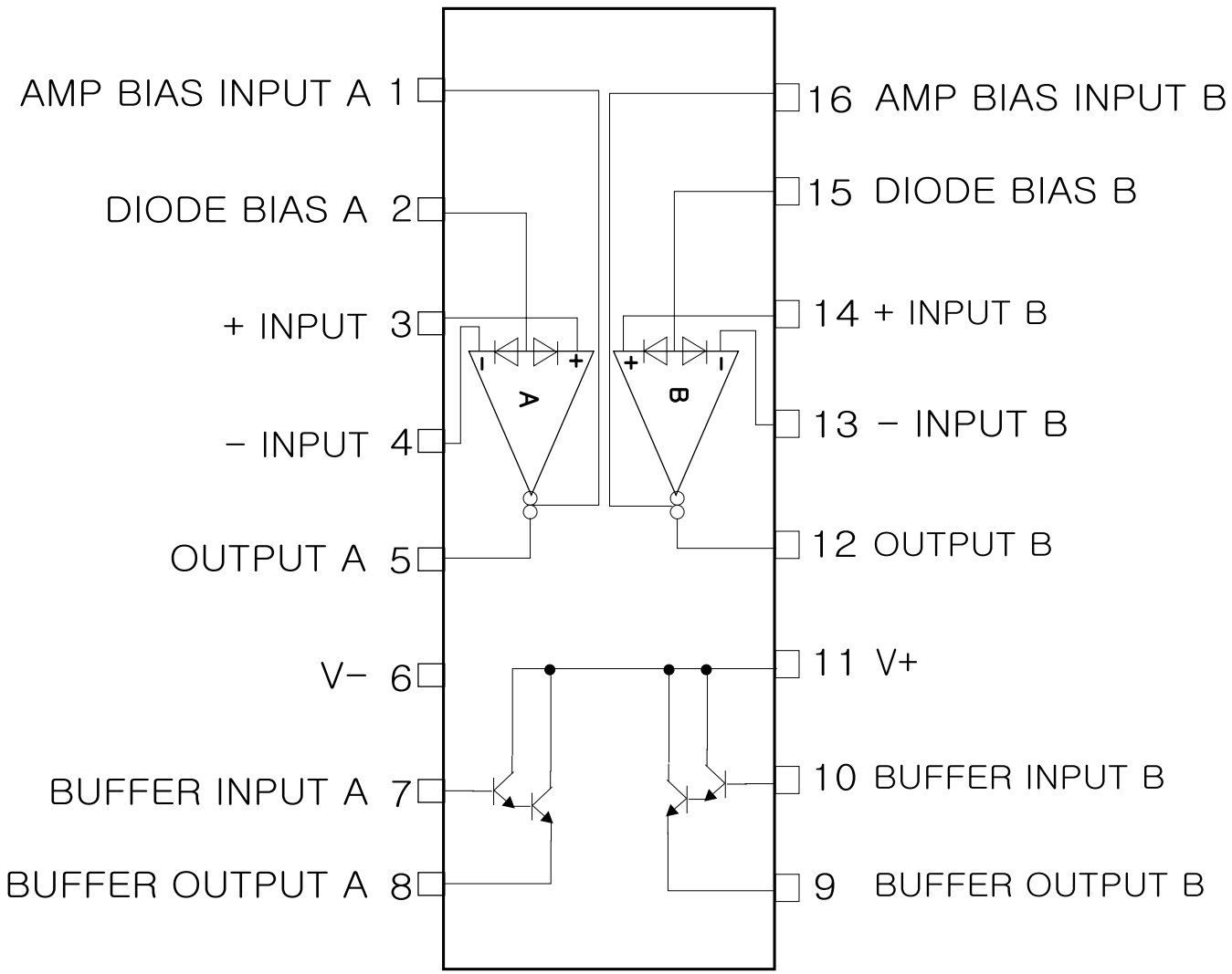


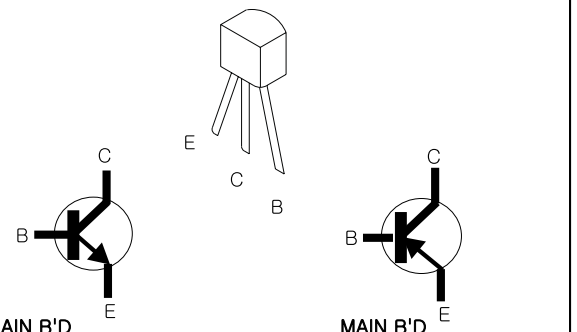
MAIN B'D : U101,301,501 (NJM2068D) DUAL OP AMP

SUB B'D(PAS327-01) : U102,103,104,105,302,303,304,305,502,504,505,506 U510,606 (NJM2068M) DUAL OP AMP



SUB B'D(PAS327-01) : U500 (NJM13600D)



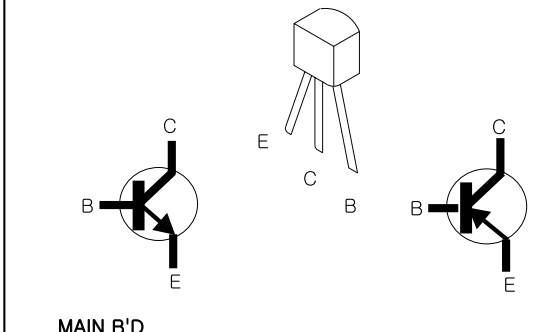


MAIN B'D
* KTC3198GR *
Q131,132,143,181,182
Q231,232,243,331,332
Q343,431,432,443,531
Q532,631,632

PAS338-01
* KTC3198GR *
Q2

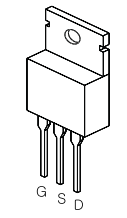
MAIN B'D
* KTA1266GR *
Q133,141,142,233,241
Q242,333,341,342,433
Q441,442,541,542,641
Q642

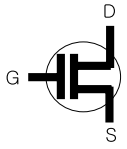
PAS338-01
* KTA1266GR *
Q10,11,12,13



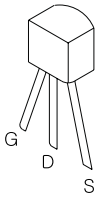
MAIN B'D
* KTC3200GR *
Q151,251,351,451,551,
Q651,140,240,340,440
Q540,640

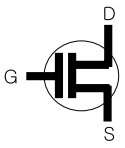
PAS338-01
* KTC3198BL * - Q05



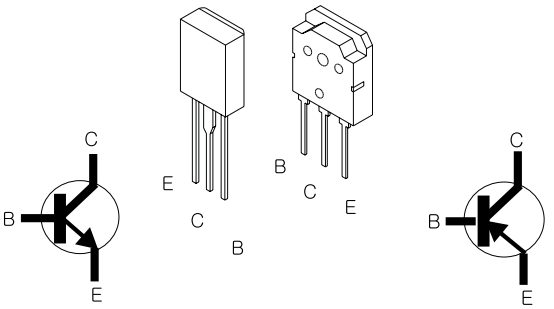


* FQP50N06
Q34,35,36,37,44,45
Q46,47,48,49





* KTK30AGR
Q60,130,230,330,430,530,630



* KTD600K *
Q534,543,634,643

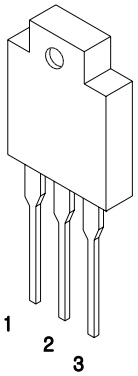
* KTD718 *
Q135,235,335,435

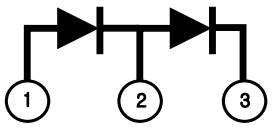
* TIP35C *
Q535,635

* KTB631K *
Q533,544,633,644

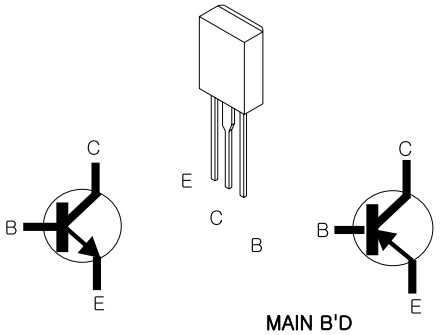
* KTB688 *
Q145,245,345,445

* TIP36C *
Q545,645





* YG225D2 *
D30,31,32,33

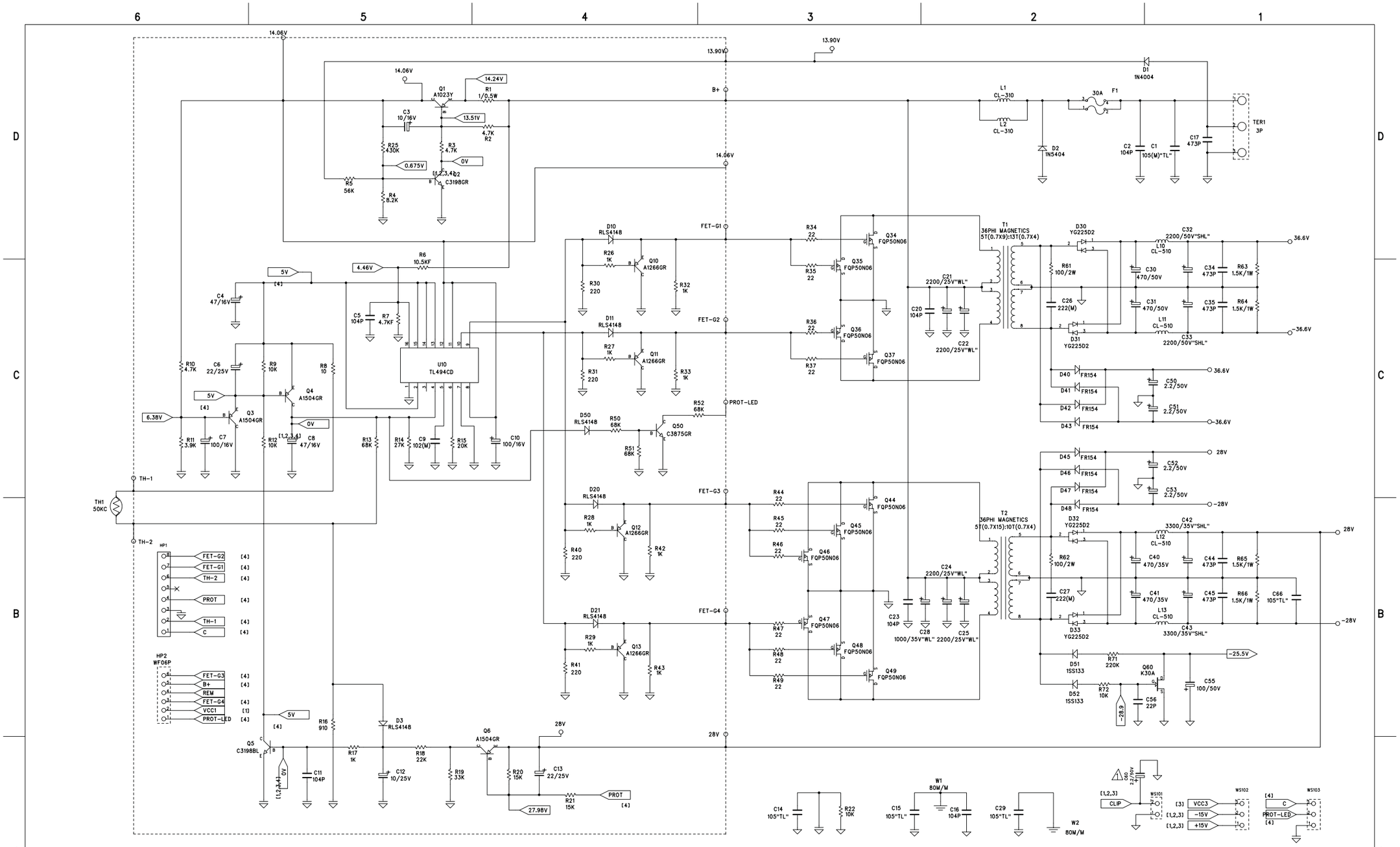


* KTC1027Y *
Q134,234,334,434

MAIN B'D
* KTA1023Y *
Q144,244,344,444

PAS338-01
* KTA1023Y *
Q1

Power Supply (Sheet 1)



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1	CL 1- 40125A	C60 2.2/50V INS	2004.04.15							ISSUE	A	SCALE	DWG. NO. CLS - AP - 4007	CHECKED		2004.04.15
REV	ECN NO	DESCRIPTION	DATE	APPROVED	REV	ECN NO	DESCRIPTION	DATE	APPROVED	SHEET	5 OF 5			APPROVED		2004.04.15

PAGE NO : 12

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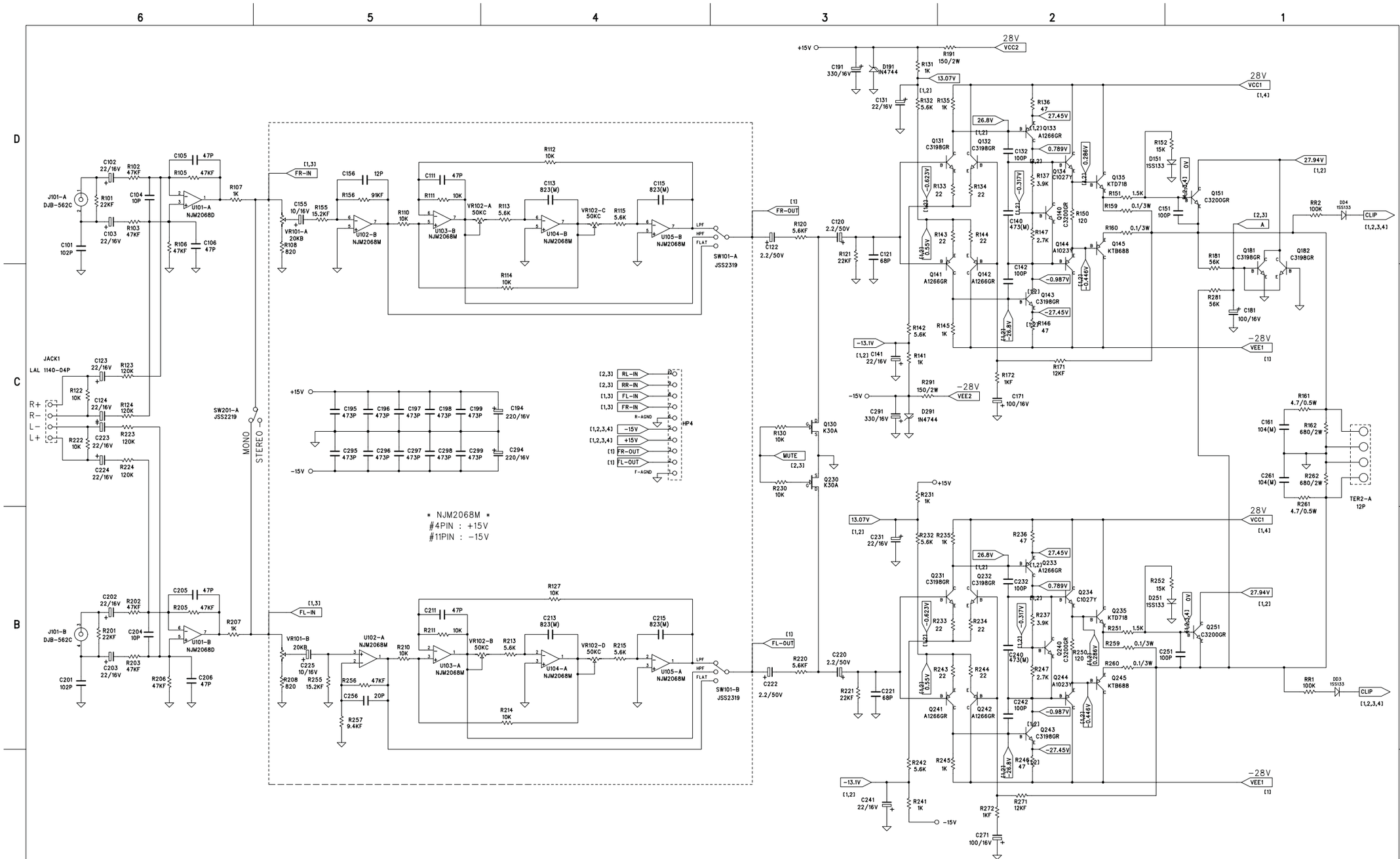
Power Amplifier (Sheet 2)



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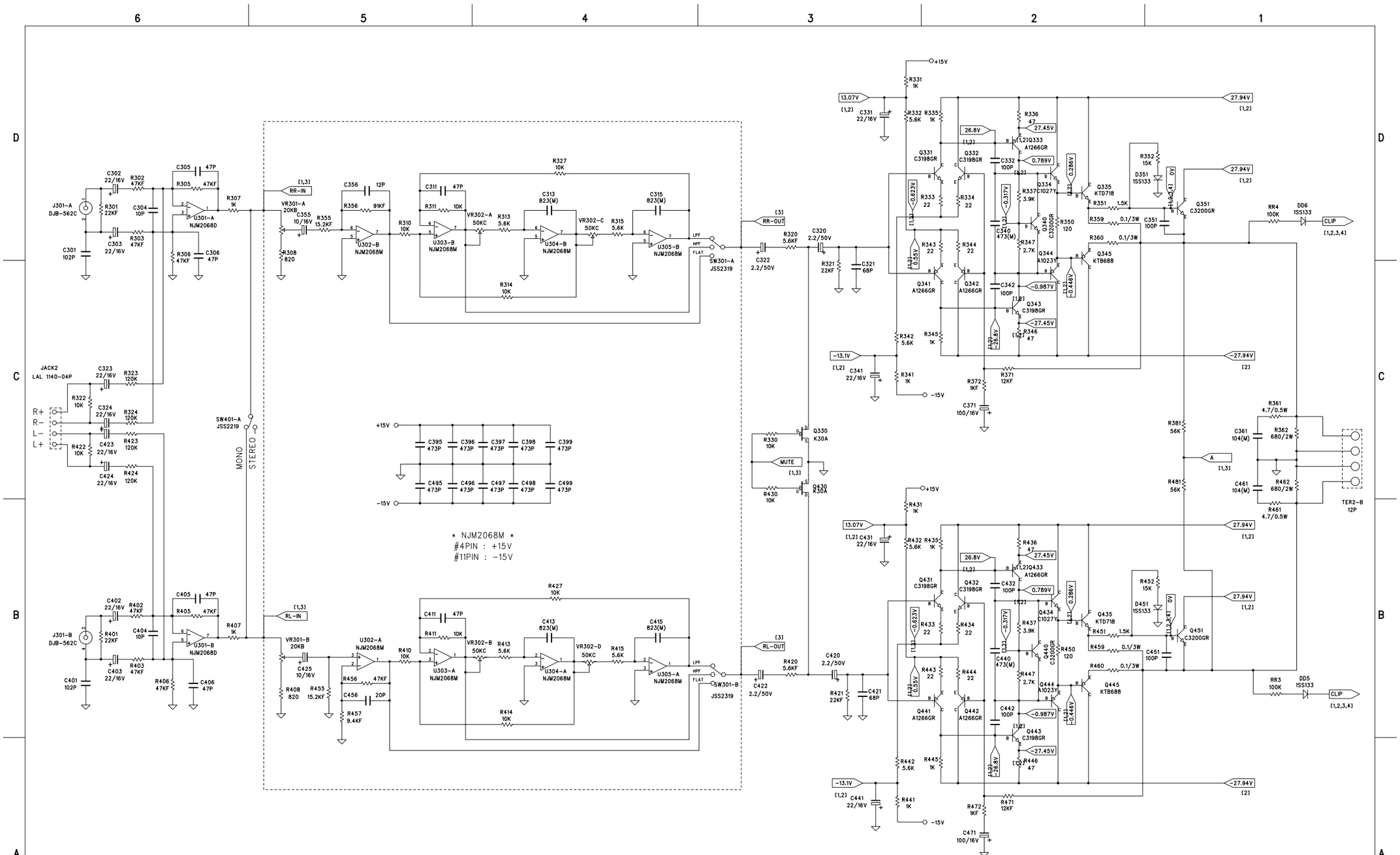
REV	ECN NO	DESCRIPTION	DATE	APPROVED	REV	ECN NO	DESCRIPTION	DATE	APPROVED	SHEET	2 OF 5			APPROVED		2004.04.13

PAGE NO : 9

C6012-04(∅)

Power Amplifier (Sheet 3)



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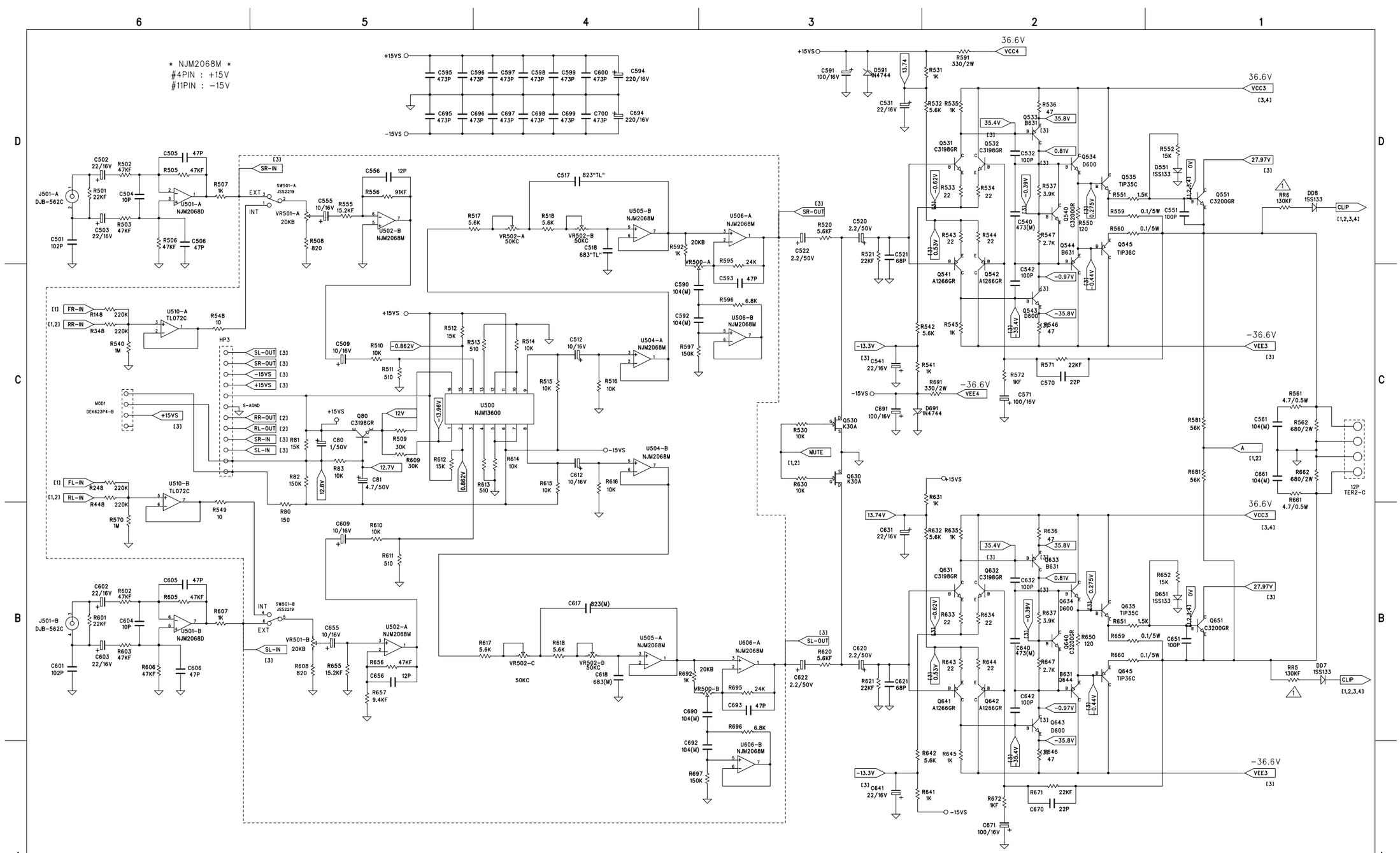
											ISSUE	∅	SCALE	DWG. NO. CLS - AP - 4007	CHECKED		2004.04.13
PAGE NO : 10	REV	ECN NO	DESCRIPTION	DATE	APPROVED	REV	ECN NO	DESCRIPTION	DATE	APPROVED	SHEET	3 OF 5			APPROVED		2004.04.13

C6012-04(∅)



											BUYER	HCG	DWG DESCRIPTION			SIGN	DATE
											BUYER MODEL	5760a			DRAW		2004.04.15
1	CL 1-40125A	R5,6 150K->130KF	2004.04.15								ISSUE	A	SCALE	DWG. NO. CLS - AP - 4007	CHECKED		2004.04.15
REV	ECN NO	DESCRIPTION	DATE	APPROVED	REV	ECN NO	DESCRIPTION	DATE	APPROVED		SHEET	4 OF 5			APPROVED		2004.04.15

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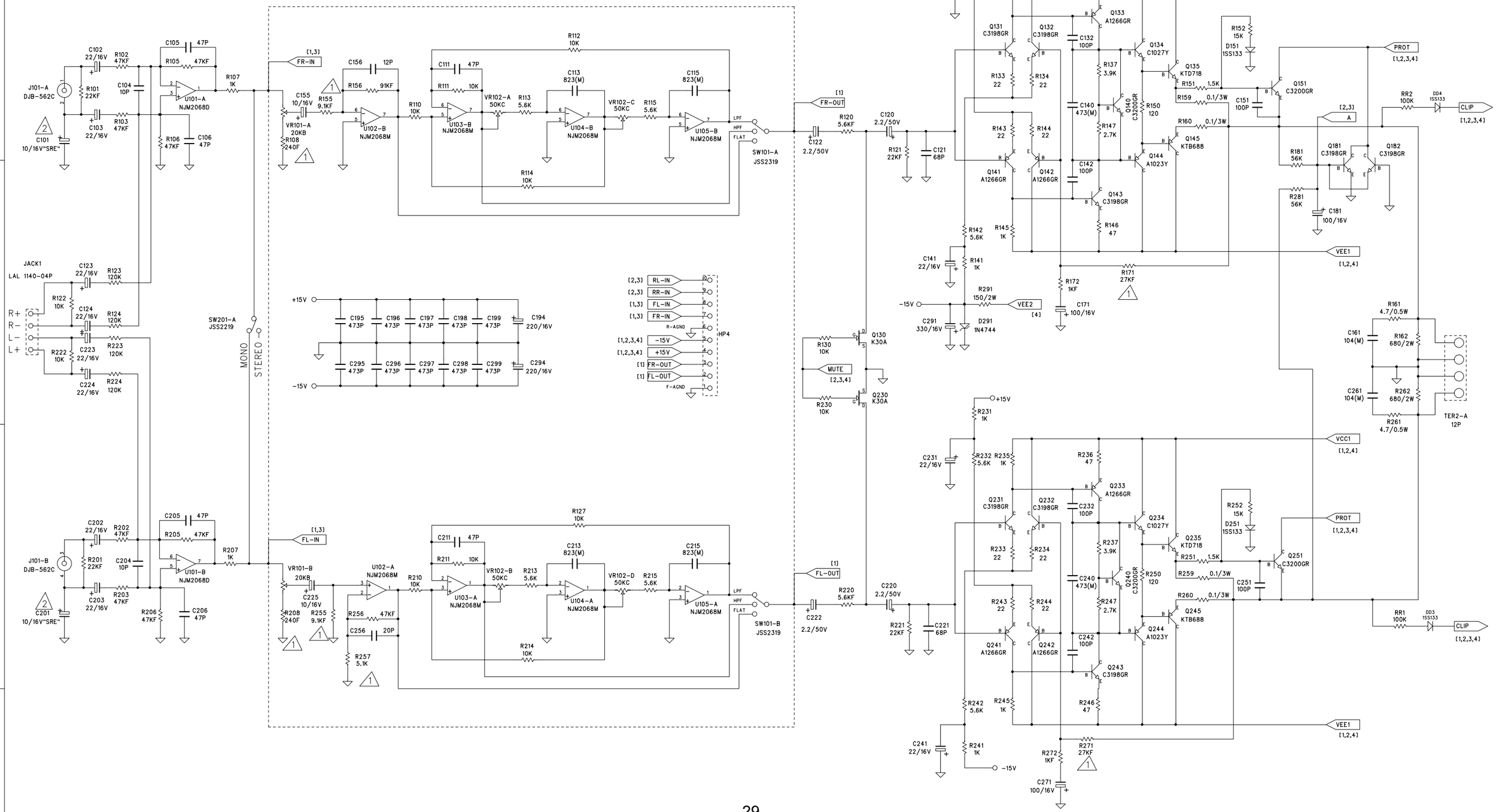
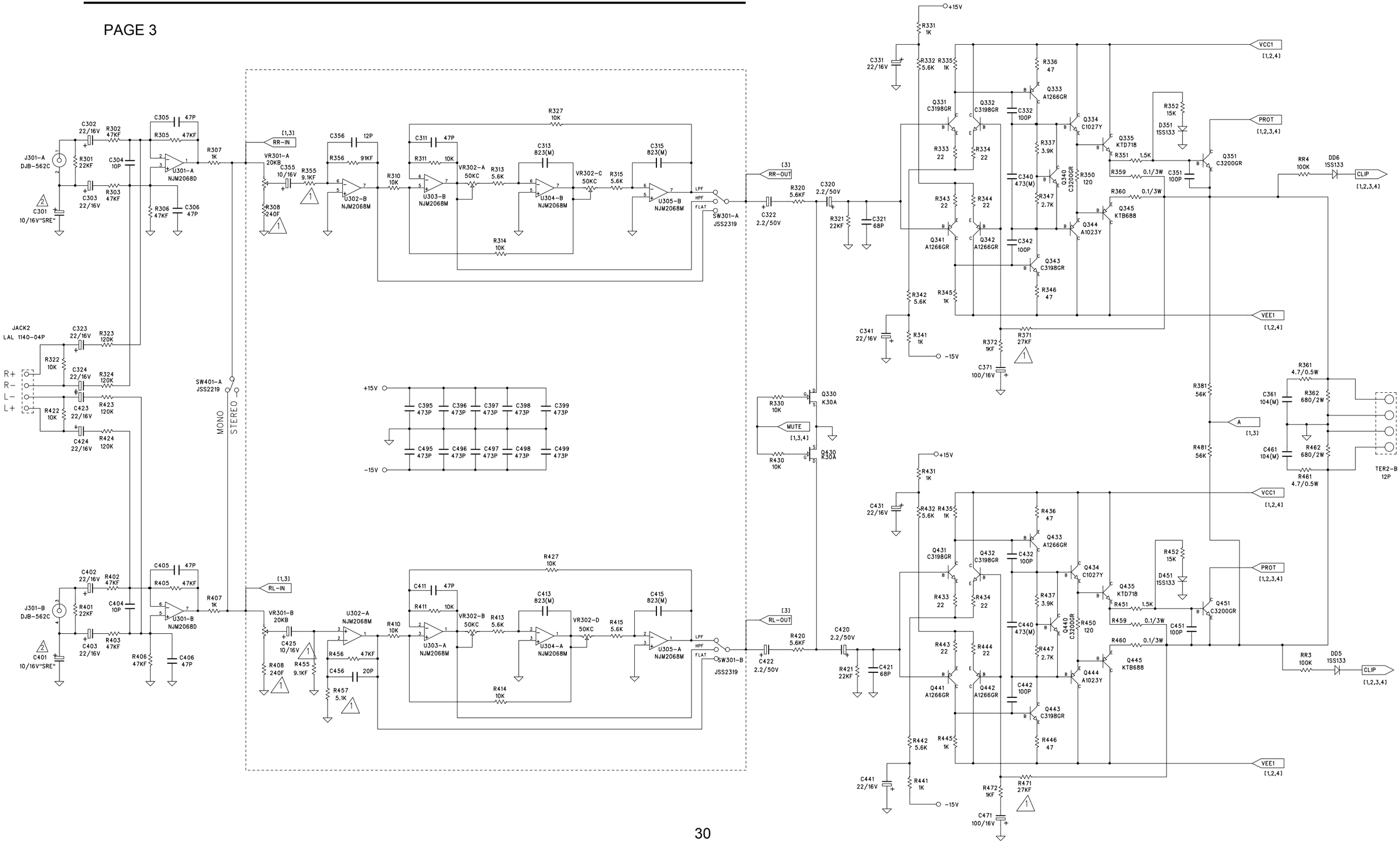
C6012-04(Ø)

REM
B+
G
FET-G1
FET-G2
FET-G3
FET-G4
PROT-LED
VCC1
TH-1
TH-2
D1 1N4004
L1 CL-310
L2 CL-310
30A F1
D2 1N5404
C2 104P
C1 105(M)"TL"
C17 473P
TER1 3P
Q1 A1023Y
R1 1/0.5W
C3 10/16V
R2 4.7K
R25 430K
R3 4.7K
R5 56K
Q2 C3198GR
R4 8.2K
C4 47/16V
R6 10.5KF
C5 104P
R7 4.7KF
U10 TL494CD
R10 4.7K
C6 22/25V
R9 10K
R8 10
Q4 A1504GR
Q3 A1504GR
R11 3.9K
C7 100/16V
R12 10K
C8 47/16V
R13 68K
R14 27K
C9 102(M)
R15 20K
C10 100/16V
D10 RLS4148
R26 1K
Q10 A1266GR
R30 220
R32 1K
D11 RLS4148
R27 1K
Q11 A1266GR
R31 220
R33 1K
D50 RLS4148
R50 68K
R52 68K
Q50 C3875GR
R51 68K
D20 RLS4148
R28 1K
Q12 A1266GR
R40 220
R42 1K
D21 RLS4148
R29 1K
Q13 A1266GR
R41 220
R43 1K
R34 22
Q34 FQP50N06
R35 22
Q35 FQP50N06
R36 22
Q36 FQP50N06
R37 22
Q37 FQP50N06
R44 22
Q44 FQP50N06
R45 22
Q45 FQP50N06
R46 22
Q46 FQP50N06
R47 22
Q47 FQP50N06
R48 22
Q48 FQP50N06
R49 22
Q49 FQP50N06
T1 36PHI MAGNETICS 5T(0.7X9):13T(0.7X4)
T2 36PHI MAGNETICS 5T(0.7X15):10T(0.7X4)
C21 2200/25V"WL"
C20 104P
C22 2200/25V"WL"
C24 2200/25V"WL"
C23 104P
C28 1000/35V"WL"
C25 2200/25V"WL"
D30 YG225D2
R61 100/2W
C26 222(M)
D31 YG225D2
D32 YG225D2
R62 100/2W
C27 222(M)
D33 YG225D2
C32 2200/50V"SHL"
L10 CL-510
C30 470/50V
C34 473P
R63 1.5K/1W
C31 470/50V
C35 473P
R64 1.5K/1W
L11 CL-510
C33 2200/50V"SHL"
C42 3300/35V"SHL"
L12 CL-510
C40 470/35V
C44 473P
R65 1.5K/1W
C41 470/35V
C45 473P
R66 1.5K/1W
L13 CL-510
C43 3300/35V"SHL"
C66 105"TL"
VCC3
VEE3
VCC4
VEE4
VCC2
VEE2
VCC1
VEE1
D40 FR154
D41 FR154
D42 FR154
D43 FR154
D45 FR154
D46 FR154
D47 FR154
D48 FR154
C50 2.2/50V
C51 2.2/50V
C52 2.2/50V
C53 2.2/50V
MUTE [1,2,3]
D51 1SS133
D52 1SS133
R71 220K
R72 10K
Q60 K30A
C55 100/50V
C56 22P
HP1
FET-G2 [4]
FET-G1 [4]
TH-2 [4]
PROT [1,2,3,4]
TH-1 [4]
C [4]
HP2 WF06P
FET-G3 [4]
B+ [4]
REM [4]
FET-G4 [4]
VCC1 [1,2,4]
PROT-LED [4]
TH1 50KC
R16 910
D3 RLS4148
Q5 C3198BL
R17 1K
R18 22K
Q6 A1504GR
C11 104P
C12 10/25V
R19 33K
R20 15K
C13 22/25V
R21 15K
PROT [1,2,3,4]
C14 105"TL"
R22 10K
W1 80M/M
C15 105"TL"
C16 104P
C29 105"TL"
W2 80M/M
C60 2200/50V
CLIP [1,2,3]
WS101
WS102
[3,4] VCC3
[1,2,3] -15V
[1,2,3] +15V
WS103
[4] C
PROT-LED [4]

PAGE 2


J101-A DJB-562C
C101 10/16V"SRE"
C102 22/16V
R102 47KF
R101 22KF
C103 22/16V
R103 47KF
C104 10P
C105 47P
R105 47KF
U101-A NJM2068D
R106 47KF
C106 47P
R107 1K
[1,3] FR-IN
VR101-A 20KB
R108 240F
C155 10/16V
R155 9.1KF
C156 12P
R156 91KF
U102-B NJM2068M
R110 10K
R112 10K
C111 47P
R111 10K
U103-B NJM2068M
VR102-A 50KC
R113 5.6K
C113 823(M)
U104-B NJM2068M
VR102-C 50KC
R115 5.6K
C115 823(M)
U105-B NJM2068M
R114 10K
LPF
HPF
FLAT
SW101-A JSS2319
[1] FR-OUT
C122 2.2/50V
R120 5.6KF
C120 2.2/50V
R121 22KF
C121 68P
+15V
C191 330/16V
D191 1N4744
R191 150/2W
VCC2 [4]
R131 1K
C131 22/16V
R132 5.6K
R135 1K
VCC1 [1,2,4]
Q131 C3198GR
Q132 C3198GR
R133 22
R134 22
R136 47
Q133 A1266GR
C132 100P
R137 3.9K
Q134 C1027Y
Q135 KTD718
R151 1.5K
R159 0.1/3W
R152 15K
D151 1SS133
Q151 C3200GR
C151 100P
PROT [1,2,3,4]
[2,3] A
RR2 100K
DD4 1SS133
CLIP [1,2,3,4]
R160 0.1/3W
Q145 KTB688
R140 C3200GR
R150 120
C140 473(M)
R147 2.7K
Q144 A1023Y
C142 100P
Q143 C3198GR
R146 47
R143 22
R144 22
Q141 A1266GR
Q142 A1266GR
R181 56K
Q181 C3198GR
Q182 C3198GR
R281 56K
C181 100/16V
R142 5.6K
R145 1K
C141 22/16V
R141 1K
R171 27KF
R172 1KF
C171 100/16V
VEE1 [1,2,4]
R291 150/2W
VEE2 [4]
C291 330/16V
D291 1N4744
-15V
Q130 K30A
R130 10K
MUTE [2,3,4]
Q230 K30A
R230 10K
R161 4.7/0.5W
C161 104(M)
R162 680/2W
C261 104(M)
R262 680/2W
R261 4.7/0.5W
TER2-A 12P
JACK1 LAL 1140-04P
R+
R-
L-
L+
C123 22/16V
R123 120K
R122 10K
C124 22/16V
R124 120K
R222 10K
C223 22/16V
R223 120K
C224 22/16V
R224 120K
SW201-A JSS2219
MONO
STEREO
+15V
C195 473P
C196 473P
C197 473P
C198 473P
C199 473P
C194 220/16V
-15V
C295 473P
C296 473P
C297 473P
C298 473P
C299 473P
C294 220/16V
[2,3] RL-IN
[2,3] RR-IN
[1,3] FL-IN
[1,3] FR-IN
R-AGND
[1,2,3,4] -15V
[1,2,3,4] +15V
[1] FR-OUT
[1] FL-OUT
F-AGND
HP4
J101-B DJB-562C
C201 10/16V"SRE"
C202 22/16V
R202 47KF
R201 22KF
C203 22/16V
R203 47KF
C204 10P
C205 47P
R205 47KF
U101-B NJM2068D
R206 47KF
C206 47P
R207 1K
[1,3] FL-IN
VR101-B 20KB
R208 240F
C225 10/16V
R255 9.1KF
R256 47KF
C256 20P
R257 5.1K
U102-A NJM2068M
R210 10K
R127 10K
C211 47P
R211 10K
U103-A NJM2068M
VR102-B 50KC
R213 5.6K
C213 823(M)
U104-A NJM2068M
VR102-D 50KC
R215 5.6K
C215 823(M)
U105-A NJM2068M
R214 10K
LPF
HPF
FLAT
SW101-B JSS2319
[1] FL-OUT
C222 2.2/50V
R220 5.6KF
C220 2.2/50V
R221 22KF
C221 68P
+15V
R231 1K
C231 22/16V
R232 5.6K
R235 1K
VCC1 [1,2,4]
Q231 C3198GR
Q232 C3198GR
R233 22
R234 22
R236 47
Q233 A1266GR
C232 100P
R237 3.9K
Q234 C1027Y
Q235 KTD718
R251 1.5K
R259 0.1/3W
R252 15K
D251 1SS133
Q251 C3200GR
C251 100P
PROT [1,2,3,4]
RR1 100K
DD3 1SS133
CLIP [1,2,3,4]
R260 0.1/3W
Q245 KTB688
R240 C3200GR
R250 120
C240 473(M)
R247 2.7K
Q244 A1023Y
C242 100P
Q243 C3198GR
R246 47
R243 22
R244 22
Q241 A1266GR
Q242 A1266GR
R242 5.6K
R245 1K
C241 22/16V
R241 1K
R271 27KF
R272 1KF
C271 100/16V
VEE1 [1,2,4]
-15V


J301-A DJB-562C
C302 22/16V
R302 47KF
C305 47P
R305 47KF
R301 22KF
C304 10P
U301-A NJM2068D
R307 1K
C303 22/16V
R303 47KF
C301 10/16V"SRE"
R306 47KF
C306 47P
[1,3] RR-IN
VR301-A 20KB
C355 10/16V
R355 9.1KF
R308 240F
C356 12P
R356 91KF
U302-B NJM2068M
R310 10K
R327 10K
C311 47P
R311 10K
U303-B NJM2068M
VR302-A 50KC
R313 5.6K
C313 823(M)
U304-B NJM2068M
VR302-C 50KC
R315 5.6K
C315 823(M)
U305-B NJM2068M
R314 10K
LPF
HPF
FLAT
SW301-A JSS2319
[3] RR-OUT
C322 2.2/50V
R320 5.6KF
C320 2.2/50V
R321 22KF
C321 68P
+15V
R331 1K
C331 22/16V
R332 5.6K
R335 1K
R336 47
Q331 C3198GR
Q332 C3198GR
Q333 A1266GR
C332 100P
Q334 C1027Y
R352 15K
D351 1SS133
Q335 KTD718
R337 3.9K
R333 22
R334 22
R351 1.5K
Q351 C3200GR
R359 0.1/3W
C351 100P
RR4 100K
DD6 1SS133
CLIP
[1,2,3,4]
C340 473(M)
Q340 C3200GR
R350 120
R347 2.7K
R360 0.1/3W
Q345 KTB688
R343 22
R344 22
Q341 A1266GR
Q342 A1266GR
C342 100P
Q343 C3198GR
Q344 A1023Y
R346 47
R342 5.6K
R345 1K
VCC1
[1,2,4]
PROT
[1,2,3,4]
VEE1
[1,2,4]
C341 22/16V
R341 1K
-15V
R372 1KF
R371 27KF
C371 100/16V
R361 4.7/0.5W
R381 56K
C361 104(M)
R362 680/2W
A
[1,3]
R481 56K
C461 104(M)
R462 680/2W
R461 4.7/0.5W
TER2-B 12P
JACK2 LAL 1140-04P
C323 22/16V
R323 120K
R322 10K
C324 22/16V
R324 120K
R+
R-
L-
L+
R422 10K
C423 22/16V
R423 120K
C424 22/16V
R424 120K
SW401-A JSS2219
MONO
STEREO
+15V
C395 473P
C396 473P
C397 473P
C398 473P
C399 473P
C495 473P
C496 473P
C497 473P
C498 473P
C499 473P
-15V
Q330 K30A
R330 10K
MUTE
[1,3,4]
Q430 K30A
R430 10K
J301-B DJB-562C
C402 22/16V
R402 47KF
C405 47P
R405 47KF
R401 22KF
C404 10P
U301-B NJM2068D
R407 1K
C403 22/16V
R403 47KF
C401 10/16V"SRE"
R406 47KF
C406 47P
[1,3] RL-IN
VR301-B 20KB
C425 10/16V
R455 9.1KF
R408 240F
U302-A NJM2068M
R456 47KF
C456 20P
R457 5.1K
R427 10K
C411 47P
R411 10K
U303-A NJM2068M
VR302-B 50KC
R413 5.6K
C413 823(M)
U304-A NJM2068M
VR302-D 50KC
R415 5.6K
C415 823(M)
U305-A NJM2068M
R414 10K
LPF
HPF
FLAT
SW301-B JSS2319
[3] RL-OUT
C422 2.2/50V
R420 5.6KF
C420 2.2/50V
R421 22KF
C421 68P
+15V
R431 1K
C431 22/16V
R432 5.6K
R435 1K
R436 47
Q431 C3198GR
Q432 C3198GR
Q433 A1266GR
C432 100P
Q434 C1027Y
R452 15K
D451 1SS133
Q435 KTD718
R437 3.9K
R433 22
R434 22
R451 1.5K
Q451 C3200GR
R459 0.1/3W
C451 100P
RR3 100K
DD5 1SS133
CLIP
[1,2,3,4]
C440 473(M)
Q440 C3200GR
R450 120
R447 2.7K
R460 0.1/3W
Q445 KTB688
R443 22
R444 22
Q441 A1266GR
Q442 A1266GR
C442 100P
Q443 C3198GR
Q444 A1023Y
R446 47
R442 5.6K
R445 1K
VCC1
[1,2,4]
PROT
[1,2,3,4]
VEE1
[1,2,4]
C441 22/16V
R441 1K
-15V
R472 1KF
R471 27KF
C471 100/16V

Power Amplifier

Infinity Reference 5761a

PAGE 4

+15VS
-15VS
C595 473P
C596 473P
C597 473P
C598 473P
C599 473P
C600 473P
C694 220/16V
C695 473P
C696 473P
C697 473P
C698 473P
C699 473P
C700 473P
C594 220/16V

J501-A DJB-562C
C501 10/16V"SRE"
C502 22/16V
R501 22KF
R502 47KF
R503 47KF
C503 22/16V
C504 10P
C505 47P
R505 47KF
U501-A NJM2068D
R506 47KF
C506 47P
R507 1K
R508 240F
EXT
INT
SW501-A JSS2219
VR501-A 20KB
C555 10/16V
R555 9.1KF
C556 12P
R556 91KF
U502-B NJM2068M
[3] SR-IN

[1] FR-IN
[1,2] RR-IN
R148 220K
R348 220K
U510-A TL072C
R540 1M
R548 10

HP3
SL-OUT [3]
SR-OUT [3]
-15VS [3]
+15VS [3]
S-AGND
RR-OUT [2]
RL-OUT [2]
SR-IN [3]
SL-IN [3]

MOD1
DEK623P4-B
+15VS [3]

C509 10/16V
R510 10K
R511 510
R512 15K
R513 510
R514 10K
C512 10/16V
R515 10K
R516 10K
U504-A NJM2068M
U500 NJM13600
Q80 C3198GR
R81 15K
C80 1/50V
R83 10K
R509 30K
R609 30K
C81 4.7/50V
R82 150K
R80 150
R612 15K
R613 510
R614 10K
R615 10K
C612 10/16V
R616 10K
U504-B NJM2068M

[1] FL-IN
[1,2] RL-IN
R248 220K
R448 220K
U510-B TL072C
R570 1M
R549 10

C609 10/16V
R610 10K
R611 510

C517 823"TL"
R517 5.6K
R518 5.6K
VR502-A 50KC
VR502-B 50KC
C518 683"TL"
U505-B NJM2068M
U506-A NJM2068M
R592 1K
20KB
VR500-A
R595 24K
C593 47P
C590 104(M)
R596 6.8K
C592 104(M)
U506-B NJM2068M
R597 150K

[3] SR-OUT
R520 5.6KF
C522 2.2/50V
C520 2.2/50V
R521 22KF
C521 68P

+15VS
R591 330/2W
VCC4 [4]
C591 100/16V
D591 1N4744
R531 1K
C531 22/16V
R532 5.6K
R535 1K
R536 47
VCC3 [3,4]
Q533 B631
Q531 C3198GR
Q532 C3198GR
C532 100P
Q534 D600
R552 15K
D551 1SS133
PROT [1,2,3,4]
R533 22
R534 22
R537 3.9K
Q535 TIP35C
R551 1.5K
Q551 C3200GR
C540 473(M)
Q540 C3200GR
R550 120
R559 0.1/5W
C551 100P
RR6 130KF
DD8 1SS133
CLIP [1,2,3,4]
R543 22
R544 22
R547 2.7K
Q545 TIP36C
R560 0.1/5W
Q541 A1266GR
Q542 A1266GR
C542 100P
Q544 B631
Q543 D600
R542 5.6K
R545 1K
R546 47
VEE3 [3,4]
C541 22/16V
R541 1K
R691 330/2W
VEE4 [4]
C691 100/16V
D691 1N4744
R572 1KF
C571 100/16V
R571 43KF
C570 22P
R561 4.7/0.5W
C561 104(M)
R562 680/2W
R581 56K
A [1,2]
R681 56K
C661 104(M)
R662 680/2W
R661 4.7/0.5W
J2P TER2-C

R530 10K
MUTE [1,2,4]
R630 10K
Q530 K30A
Q630 K30A

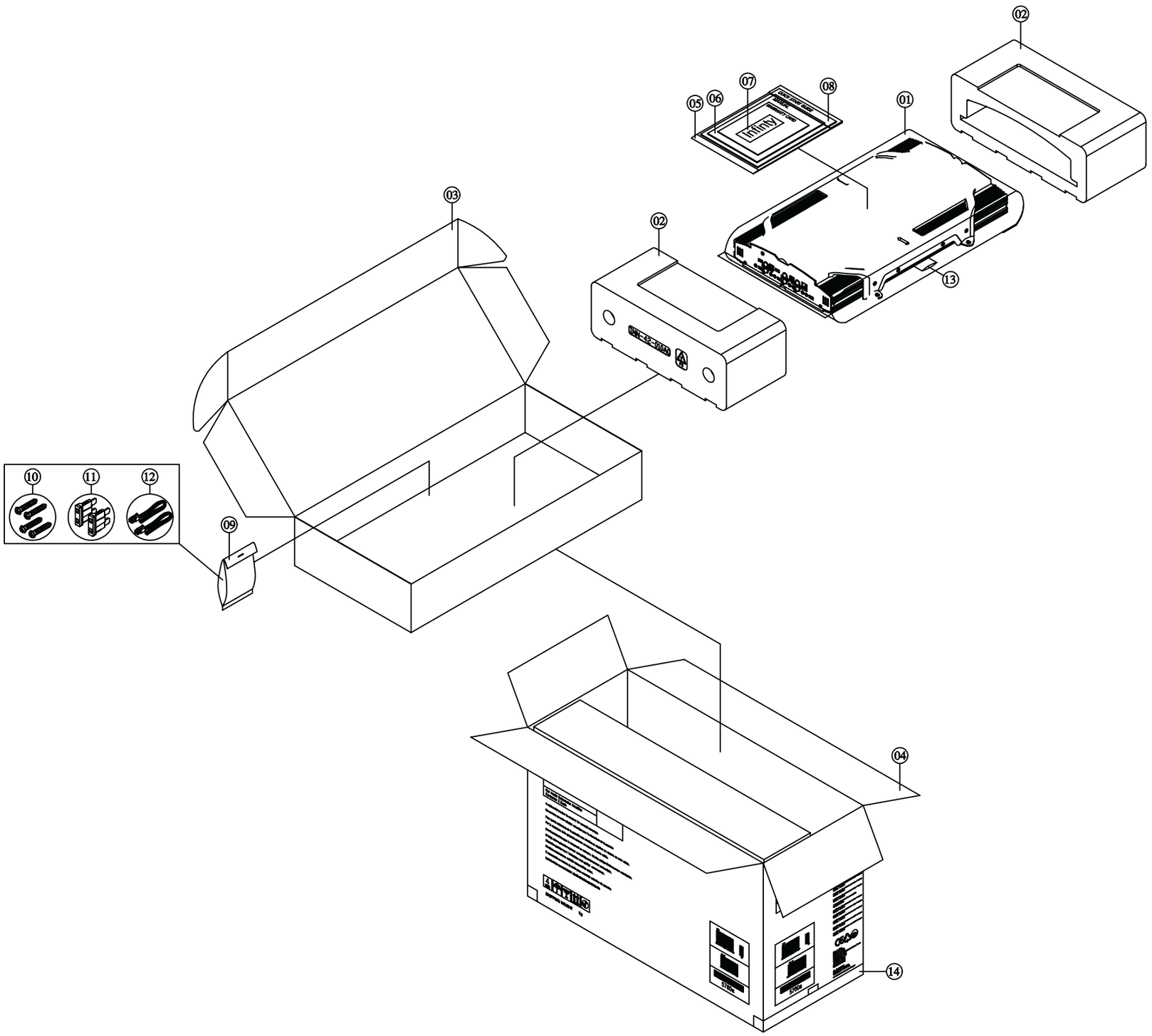
C631 22/16V
R631 1K
R632 5.6K
R635 1K
R636 47
Q633 B631
Q631 C3198GR
Q632 C3198GR
C632 100P
Q634 D600
R652 15K
D651 1SS133
PROT [1,2,3,4]
R633 22
R634 22
R637 3.9K
Q635 TIP35C
R651 1.5K
Q651 C3200GR
C640 473(M)
Q640 C3200GR
R650 120
R659 0.1/5W
C651 100P
R660 0.1/5W
Q645 TIP36C
RR5 130KF
DD7 1SS133
CLIP [1,2,3,4]
R643 22
R644 22
R647 2.7K
Q641 A1266GR
Q642 A1266GR
C642 100P
Q644 B631
Q643 D600
R642 5.6K
R645 1K
R646 47
VEE3 [3,4]
C641 22/16V
R641 1K
R671 43KF
C670 22P
R672 1KF
C671 100/16V

C602 22/16V
R602 47KF
R601 22KF
C604 10P
C605 47P
R605 47KF
U501-B NJM2068D
R607 1K
C603 22/16V
R603 47KF
C601 10/16V"SRE"
R606 47KF
C606 47P
INT
EXT
SW501-B JSS2219
SL-IN [3]
VR501-B 20KB
C655 10/16V
R608 240F
R655 9.1KF
U502-A NJM2068M
R656 47KF
C656 12P
R657 5.1K

C617 823(M)
R617 5.6K
R618 5.6K
VR502-C 50KC
VR502-D 50KC
C618 683(M)
U505-A NJM2068M
U606-A NJM2068M
R692 1K
20KB
VR500-B
R695 24K
C693 47P
C690 104(M)
R696 6.8K
C692 104(M)
U606-B NJM2068M
R697 150K

[3] SL-OUT
R620 5.6KF
C622 2.2/50V
C620 2.2/50V
R621 22KF
C621 68P

Packing Exploded View



NO	PART NAME	PART #	DESCRIPTION	Q'TY
01	POLY BAG(A)		VINYL, 650.0x400.0x0.1t	1EA
02	SNOW PAD	INN-42-010A0	EPS, 363.0x160.0x128.0	2EA
03	REF 5760a BOX-GIFT	BOX-36-152AA	SW#1(B), 620.0x368.0x133.0	1EA
	REF 5761a BOX-GIFT	BOX-36-152AZ	SW#1(B), 620.0x368.0x133.0	1EA
04	BOX-CARTON		DW#2, 635.0x286.0X393.0	1/2EA
05	POLY BAG(B)		VINYL, 260.0x350.0x0.03t	1EA
06	REF 5760a OWNER'S MANUAL	MAN-01-0197A	ART PAPER	1EA
	REF 5761a OWNER'S MANUAL	MAN-01-0197Z	ART PAPER	1EA
07	WINDOW STICKER	LAB-00-0427A	"INFINITY" LOGO	1EA
08	QUICK START GUIDE	CAR-00-0061A	ART PAPER	1EA
09	POLY BAG(C)		VINYL, 120.0x120.0x0.03t	1EA
10	SCREW	SC4-NO-40250	STT1 OH 4x25 NI-P	4EA
11	AUTO FUSE	FUS-AT-00006	30A	2EA
12	WIRE ASS'Y	WIR-00-00208	CHD1140-04PBK, 300mm	2EA
13	SILICA GEL		3g	1EA
14	OPP TAPE		TRANSPARENCY	3.2m

GRD / DIM	A	B	C
1 ~ 10	0.05	0.1	0.2
10 ~ 100	0.1	0.2	0.3
100 ~ 500	0.2	0.3	0.5
500 ~ 1000	0.3	0.5	1.5

THIRD ANGLE	UNIT	SCALE	DATE	MODEL	REF5760a
	MM	1 : 1	2004.04.10	DRAW NO	
DRAW	CHECK	APPRO	NAME		
H.Y.AN		D.W.SEO	EXPLODED VIEW		
CODE NO.				ISSUE	Φ